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UNITED STATES DEPARTMENT OF AGRICULTURE
Bureau of Markets
Washington, D.C. January 21, 1919.

Summary Report of the Prevailing Prices of Fluid Milk, Cream, and Certain Milk Products in Various Markets of the United States for January, 1919.
(This report is based on reports made to the Bureau of Markets by city health officials, milk dealers, and officers of milk producers' associations.)

The following table presents a comparison of prices* received by farmers for Common or Standard Grade Milk delivered in bulk at local milk plants or at the farmers' country shipping points. The prices as stated are either quotations for 3.5 milk or quotations for milk of other tests reduced to that basis.

TABLE NO. I.-- Prices paid Milk Producers-

Geographic Sections (b)	JANUARY PRICES PER CWT. Number of Different Local Markets Included (a)	Range of Prices Reported	Average (c) of all January Prices Per Cwt.	COMPARISON OF JAN. & DEC. PRICES Average (c) of All December Prices Per Cwt.	January Increase or Decrease over December Per Cwt.
New England	35	$5.86-$4.53	$4.09	$4.09	no change
Middle Atlantic	75	$3.43-$4.06	$3.60	$4.09	$ .49 dec.**
East North Central	95	$3.92-$2.85	$3.72	$3.70	$ .02 inc.
West North Central	59	$3.00-$3.97	$3.61	$3.59	$ .02 inc.
South Atlantic	16	$3.67-$5.65	$4.37	$4.52	$ .15 dec.
East South Central	6	$3.52-$4.40	$3.50	$3.39	$ .11 inc.
West South Central	7	$4.04-$5.00	$4.40	$4.60	$ .20 dec.
Mountain	7	$3.03-$3.88	$3.49	$3.58	$ .09 dec.
Pacific	8	$3.35-$3.70	$3.53	$3.45	$ .08 inc.

(a) For the purpose of this table there are included the basic prices of widely separated or distinct markets and also the different prices paid to farmers shipping from the various freight or transportation rate zones of different regional markets, such as Boston, New York, and Philadelphia.
(b) The states making up the several geographical divisions are the same as those of the 1910 United States Census.
(c) The average of all prices is a simple average of all prices reported for the various zones and local city markets. However, the number of series of quotations in the vicinity of most of the larger cities is sufficiently large that this simple average is virtually a weighted average.
* For specific prices applying to some particular markets in different sections of the country, see table III and the explanatory notes following it.
** A comparison of the averages of the present and last month's prices as given for this section may be misleading for the reason that the same markets are not included for both months. (See foot note 3 page 4).

The following table presents a comparison of (1) wholesale, and (2) retail prices of the various kinds and grades of milk and certain other dairy products sold by milk dealers in some of the larger cities of this country.

TABLE NO. II. WHOLESALE AND RETAIL PRICES.

Kind and Grade of Goods Sold	Unit of Quotation	Boston Wholesale Price	Boston Retail Price	New York Wholesale Price	New York Retail Price	Philadelphia Wholesale Price	Philadelphia Retail Price	Chicago Wholesale price	Chicago Retail Price	San Francisco Wholesale Price	San Francisco Retail Price
Standard or Grade B Milk	Per Gal.	$ .54	$	$	$	$	$	$ .44	$	$	$
	Per Quart	.56	.365		.16	.48	.14	.48	.14	.39	.14
Special or Grade A Milk	Per Gal	-	.18	-	.18	.60	.16	.76	.19	-	-
	Per Quart	-	.19	-	.18	.60	.16	.76	.19	-	-
Certified Milk	Per Gal	-	.22	-	.22	-	.26	-	.21	-	.20
	Per Quart	-	.24	-	.23	-	.26	-	.21	-	.20
Buttermilk	Per Gal	.26	.08	-	.10	.32	.10	.35	.10	.32	.08
	Per Quart	.30	.10	-	.12	.36	.10	.35	.10	.32	.08
Special Fermented Milk	Per Gal	-	.20	-	.12	.43	.13	-	.16	-	.14
	Per Quart	-	.20	-	.12	.43	.13	-	.16	-	.14
Cottage Cheese	Per Pound	-	.30	.08	.10	.07	.07	-	-	.12	.15
	Pound	-	.30	.08	.10	.07	.07	-	-	.12	.15
Commercial Cream (16-20% B.F.)	Per Gal	1.30	.12	-	-	-	-	1.55	-	-	-
	Per ½ Pt.	1.44	.14	-	-	1.68	.18	1.70	.15	1.70	.14
Extra Heavy Cream	Per Pound Butter fat	.80	-	.90	-	1.00	-	1.00	-	-	-

(1) Wholesale Prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users, such as hotels, restaurants, confectioneries and bakeries. Although the goods are delivered in cans varying from 3½ quarts to 10 gallons in size, all quotations have been reduced to a gallon basis except in the case of sales of cream used for manufacturing purposes in which case prices are quoted per pound of butter fat contained therein. Cottage cheese prices are quoted per pound regardless of whether deliveries are made in cans, tubs, or barrels.
(2) Retail prices of milk and cream on the basis of bottled goods delivered at the homes of family trade.

January 21, 1919.

The following table presents a comparison of the prevailing prices of "Standard Grade" Milk paid by different classes of buyers in various markets of the United States. (Refer to footnotes for explanation of headings and letters used in the columns of this table.)

TABLE NO. 3 WHOLESALE AND RETAIL MILK PRICES.

Markets for Which Reports Were Obtained	Prices Paid By City Distributors to Producers			Prices Paid By Restaurants to Distributors		Prices Paid By Stores to Distributors		Prices Paid By Family Trade to Stores & Distributors			Butter test of Milk as Sold to Consumers
	(a) Country Stations (b) F.O.B. City	At Standard (Per cent) Basic Butter Fat	Butter fat Allowance (cts. Per Lb)	Bulk Delivered (cts)	Bottled Delivered (cts)	Bulk Delivered (cts)	Bottled Delivered (cts)	Bulk Not Delivered (cts)	Bottled Not Delivered (cts)	Bottled Delivered (cts)	
Alabama											
(c)Mobile	-	-	-	12½-16	-	12½-16	-	-	20	20	3.5
(c)Birmingham	9-10 b	g	g	10-12½	-	-	14	-	14-20	14-20	3.5
Arkansas											
(c)Little Rock	8.6b	4.0	-	12.5	15	12.5	15	h	18	18	4.0
Arizona											
(c)Phoenix	7.8b	4.0	.91	.10	-	8.7-10	11-12	-	-	12.5	3.25
(c)Tuscon	no reports received this month							-	-	-	-
California											
(e)San Francisco	7.7b	3.6	.50	9.7	12	h	12	h	14	14	5.6
Los Angeles	9.2b	f	1.07	-	13	h	13	h	13	13	4.9
(1)San Diego	9.4-9.8	f	1.10 1.15	12	13.6	h	13.6	h	16	16	4.0
Colorado											
Denver	7.5b	f	1.00	8.7	12	-	12	13	13	13	3.4
Pueblo	8.7b	3.5	1.20	10.5	13	10.5	13	12	13	14	3.7
Colo. Springs	7.5b	3.0	35	9.5	12	h	12	h	13	13	3.5
Connecticut											
(3)Bridgeport	8.8a	3.0	-	13.5	16.5	h	16.5	h	16-17	16-17	3.6
(3)New Haven	9.7b	g	g	-	14	h	14	h	16	16	3.5
Hartford	no report received this month					-	-	-	-	-	-
Delaware											
Wilmington	no report received this month					-	-	-	-	-	-
District of Col:											
Washington	10.b	3.5	46.5	14	12-15	12	13-15	14-15	16-17	17	3.7
Florida											
(c)Jacksonville	11.2b	4.2	50	11.2-12½	15	11.2-12½	15	16	16	18	3.5
(c) Tampa	-	-	-	12.5	15	12.5	15	h	18	20	3.5
(c) Miami	-	-	-	15	11.5	16.2	17.5	18.7	20	20	3.5
Georgia											
Atlanta	11.2b	g	g	15	-	15	20	20	20	20	3.6
(c) Augusta	-	-	-	-	13	h	13	h	15	18	4.0
Idaho											
(c) Wallace	8.3b	g	g	10	-	h	15	h	15	15	3.5
Pocatello	7.7b	g	g	11.2	12.5	h	12.5	-	15	15	3.5
Illinois											
Chicago	8.1 a	3.5	40	11.2-12	13-14	-	13-14	-	13	14	3.5
Peoria	8.1b	3.5	40	9.0	-	9.0	-	11	12	13	3.5
Rockford	8.1b	3.5	30	11.2	12	h	12	11	12	12	3.7
Indiana											
Indianapolis	6.8b	f	90	11	12.5	11	12	11	14	14	3.8
Fort Wayne	7-7½ b	g	g	-	11	h	11	h	13	13	3.6
South Bend	7.7 b	4.0	40	9.5	11	-	11	h	13	13	3.5
Evansville	8.1 b	4.0	30	11.2	13	11.2	14	h	14	14	3.8
Iowa											
Des Moines	8.0 b	3.5	50	11.2	13	11.2	13	h	15	15	3.5
Dubuque	7.4 b	3.6	30-40	10	11	h	11	h	12	12	3.5
Sioux City	9.4b	4.0	65	11.2	13	11.2	13	h	14	14	3.3
Kansas											
Kansas City	9.0 b	4.0	-	8.5-10	-	h	13-14	h	15-18	15-18	5.1
Topeka	8.2 b	g	g	10	12	h	12.5	h	-	14	3.8
Kentucky											
Louisville	8.5	4.0	-	10.7	13	10.7	13	-	-	-	-
(c)Lexington	9-10 b	g	g	12.5	14.7	12.5	14.7	h	16	16	4.0
Louisiana											
New Orleans	9.5b	3.5	23	11.2	14	h	14	h	16	16	4.0
Baton Rouge	no report received this month					-	-	-	-	-	-
Shreveport	11.2 b	g	g	16	16	h	16	h	20	20	4.0
Maryland											
Baltimore	10-10½b	g	g	15.7	16-17	h	17	h	16	17	4.0
(c)Cumberland	8.5-10b	g	g	11-13	-	h	13	h	15	15	3.5
Massachusetts											
(d)Boston	9.75b	3.5	40	13.5	14.5	13.5	14.5	16.5	16.5	16.5	5.1
Springfield	9.75b	3.5	40	13	14	13.5	14.5	h	13	16.5	5.0
Worcester	no report received this month					-	-	-	-	-	-
Pittsfield	8.5r	g	g	10	12	10	12	10	14	14	-

To facilitate the reading of prices listed above and on the reverse side of this sheet adjust the columns to the headings of the table at the top of page 2.

EXPLANATORY NOTES REGARDING PRICES QUOTED ABOVE:

(a) Producers' prices for milk delivered to country shipping stations. The cost to the dealers of milk delivered f.o.b. city varies according to differences in transportation costs from various shipping points.

(b) Prices are quoted to producers for milk delivered f.o.b. city, and therefore prices to producers vary in this market according to differences in transportation costs from various shipping stations to the city where milk is distributed.

Where both (a) and (b) prices are quoted for the same market the f.o.b. city price reported applies to direct shipments from farm to city or, since the transportation rates from various country shipping stations differ according to distance from city, it represents only the average cost of milk to some dealers.

(c) Practically all or the greater portion of the market milk supply of this city is reported to be furnished by local producers who distribute their own supply and therefore there is no well established basic wholesale price quotation in this market.

(d) The quantities of milk that dealers in this market have obligated themselves to accept at the given price may not exceed a definitely stipulated percentage of increase over a low production month of the year.

(e) The reported price does not apply to surplus quantities of milk that are converted into manufactured dairy products.

(f) No basic butter fat standard, other than the minimum legal standard, has been adopted in this market; but milk is paid for on the basis of its butter fat content at a definite price per point or per pound of butter fat.

(g) A flat price is paid for all milk, no allowance being made for variations in butter fat content.(not

(h) Bulk milk is/permitted to be sold to this class of trade.

* The prices applying to sales to retail stores and family trade are listed as quoted by milk dealers; but in case of the prices paid by wholesale consumers such as restaurants and hotels or by the milk dealers themselves, the quotations are usually made on a per gallon or a per hundredweight basis, and is such cases the quoted prices have been reduced to a per quart basis by allowing 46.5 qts. per hundredweight of milk.

** The prices per pound of butter fat quoted in this column refer generally to the allowances made for variations from the butter fat standard applying to the basic price for whole milk shown in the first column of this table. In those markets where the price of whole milk is based solely upon its butter fat content, the given quotation per lb. of butter fat includes payment for the nonfat contents of natural milk as well as for its butter fat content; and for that reason the butter fat allowances in such markets are generally much higher than those quoted for markets in which the given allowances refer only to premiums or deductions per point of butter fat above or below the given standard.

(1) The producers in the San Diego Market sell all milk testing 4% or less at a definite price per pound butter fat which includes payment for nonfat content of milk. For the butterfat in excess of 4% a price of 14 cents per pound above the San Francisco quotation is paid.

(2) The Minneapolis and St. Paul f.o.b. prices are based on the average price of cheese as established by the Plymouth Wisconsin Cheese Board. The price of ten pounds of cheese plus 70 cents transportation and marketing expenses is the price paid by Minneapolis and St. Paul dealers for a cwt. of 3.5% milk.

(3) The price asked by the milk producers' marketing association of the New York regional milk market has not been accepted by some of the milk distributing organizations operating in New York City, Albany, Buffalo, Binghampton, Rochester, Newark, Scranton, Bridgeport, Hartford. The producers' association price applying to the 150 mile zone is $4.50 per cwt. for 3% milk. The price offered by some distributors is $3.60 per cwt.

FUTURE PRICES.

The following prices per cwt. are reported to have been agreed upon for the month of February: F.O.B. Boston, Mass. $4.42 for 3.5% milk; Pittsburg, Pa. at country stations, $3.70 for 3.5% milk; F.O.B. Greenville, S.C. $5.80 flat price; F.O.B. Spokane, Wash. $3.65 for 3.6% milk.

CHARLES J. BRAND,
Chief of Bureau.

January 21, 1919

Michigan (Page 3) 10.5- Prices Paid: Prices Paid: Cents per Cwt.) : 3.6-
per pound of butter fat.

Michigan (Page 3			10.5-								
(d) Detroit	8.4-8.6b	3.5	50	11.5	11.2-14	h	12-14	h	13	15	3.6
Grand Rapids	7.5b	3.5	40	10	12	10	12	h	12	14	3.7
Kalamazoo	7.5b	g	g	10	10	h	11	h		13	4.0
Minnesota											
(2) Minneapolis	9.0b	3.5	50	10-12	11.5	h	11.5-13	h	13-14	13-14	3.5
(2) St. Paul	9.0b	3.5	50	10-12	11.5	h	11.5-13	h	13-14	13-14	3.5
Duluth											
Winona	No report received this month										
Missouri											
St. Louis	7.7a -9.1b	3.5	30	11.2	13	11.2	13		12	14	3.5
Kansas City	9.2-9.4b	4.0	35	11.2	14	h	14	h	15-16	15-16	3.7
St. Joseph	7.7b	3.0	10	11.2	13	h	13	h	15	15	3.5
Montana											
Helena	-	-	-	-	-	-	-	15	15	15	3.5
Butte	8.1b	g	g	11.2	-	12.5	12.5	-	15	15	3.6
Nebraska											
Lincoln	8.2b	4.0	-	11	12.5	14	-	h	14	14	4.0
Omaha	7.5b	3.5	70	10	-	10	13	-	-	14.2	3.6
New Jersey											
(3) Newark	no report received this month										
(3) Trenton	9.4b	4.0	40	12	12.5	h	13	h	14	14	3.8
Camden	9.5b	g	g	-	13	h	14	h		14	3.8
New York											
(3) New York	8.6a-7.7a	3.0	40	12.5	15.5	12.5	15.5	-	16	16	3.9
(3) Buffalo	7.5a	3.0	40	11	13.5	11	13.5	h	15	15	3.6
(3) Albany	8.6a	3.0	40	10-11	-	h	15	14	15	15	3.5
(3) Rochester	9.3b	3.6	-	12.5	13-14½	-	13-14½	-	15	15	3.6
3(c) Binghampton	8.6b	3.0	40	12	13	h	14	h	14	14	4.0
(3) Utica	-	-	-	11	14	-	-	-	15	15	-
North Dakota											
Fargo	7.5b	g	g	-	11	-	13	-	-	13	3.6
Jamestown	6.5b	g	g	8.7	-	-	-	-	-	10	3.5
Oklahoma											
Oklahoma City	no report received this month										
Ohio											
Cincinnati	8.8b	3.5 4.0	35-40	11-12	13	h	13	h	14	14	3.8
Cleveland	9.0b	3.5	50	11.5	13.5	11.5	13.5	h	15	15	3.5
Toledo	8.3b	3.5	30	11		h	12	14	14	14	3.5
Dayton	8.2b	4.0	50	11.2	12	h	12	h	14	14	3.8
Columbus	9.1b	4.0	50	10.7	13	10.7	13	h	15	15	4.0
Oregon											
Eugene	7.5b	g	g	8.7	-	-	12	-	-	14	4.0
Portland	8.3b	3.8	50	-	13	-	15	h	-	14.5	4.0
Pennsylvania											
Philadelphia	9.5b	4.0	40	12	13	12	13	h	14	14	3.5
Pittsburg	8.1a-9.9b	3.5	50	12.5	13½-14	12.5	14.5	-	14	14	3.7
(d) Harrisburg	8.6b	g	g	12	12	h	12	h	12	12	3.6
(3) Scranton				12	14	12	14	h	-	15	3.6
Rhode Island											
Providence	9.75b	3.5	40	13		13.5	14.5	-	-	16.5	3.8
Newport	9.5b	g	g	13	13	h	13	h	15	15	4.0
South Carolina											
Greenville	12.5b	g	g	17.5	-	h	-	-	-	20	-
South Dakota											
Lead	No report received this month										
Sioux Falls	8.1	g	g	10	-	-	13	-	-	13	3.25
Tennessee											
Memphis	8.5b	g	g	12.5	-	-	18	-	18	-	-
Nashville	9.0b	4.0	90	13.7	18	13.7	18	h	20	20	4.0
Knoxville	-	-	-	-	-	-	-	-	-	-	-
Texas											
(d) San Antonio	10.3b	4.0	1.16	11.2	15	11.2	15	h	17	17	4.0
El Paso	9.9b	4.0	40	12.5	13-15	12.5	15	h	17	19-21	3.5
Galveston	10.2b	g	g	15	-	-	15	h	20	20	-
Utah											
Salt Lake City	7.2b	g	g	8.25	11	10	11	10.5	12	12.5	4.0
Virginia											
Richmond	10 b	g	g	13	15	13	15	15	15	15	3.8
Roanoke	9.1b	g	g	11.5	12	h	13	h	15	15	3.7
Washington											
Spokane	8.0b	3.6	50	10.5	12.5	-	13	-	15	15	3.6
Seattle	8.3-8½b	3.5	50	10.7	12	10.7	12	h	13	15	3.7
West Virginia											
Wheeling	No report received this month										
Clarksburg	10.5b	g	g	12.5	15	12.5	15	h	16.5	16.5	-
Wisconsin											
Milwaukee	8.8b	g	g	10	12	h	12	h	13	13	3.6
La Crosse	No report received this month										
Beloit	8.1b	3.5	40	10	12	h	13	h	13	13	3.5
Green Bay	7.6b	3.6	40	10	11	10	11	10	12	12	3.6
Vermont											
Burlington	8.6b	g	g	12	13	12	13-15	12	14	15	-

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(This report is based on reports made to the Bureau of Markets by city health officials, milk dealers, and officers of milk producers' associations.)

The following table presents a comparison of prices* agreed to or offered by fluid milk dealers for the common grade of raw milk delivered in bulk at local milk plants or at the farmers' country shipping points. The prices as stated are either quotations for 3.5 milk or quotations for milk of other tests reduced to that basis.

TABLE NO. I. --Prices to be Paid Milk Producers for Months of February & March, 1919.

Geographic Sections	February: Number of Local Markets Reporting(a)	February: Range of Prices Reported (Per Cwt.)	February: Average of All Prices Reported(a) (Per Cwt.)	March: No. of Local Markets Reporting	March: Range of Prices Reported (Per Cwt.)	March: Average of All Prices Reported(a) (Per Cwt.)
New England	39	$3.55-$4.70	$3.91	25	$3.55-$4.64	$3.85
Middle Atlantic	97	$3.24-$4.35	$3.65	85	$3.24-$3.92	$3.28
E. North Central	77	$2.80-$3.70	$3.46	50	$2.60	$2.60
W. North Central	60	$3.90-$2.87	$3.40	15	$3.21-$3.50	$3.38
South Atlantic	11	$3.20-$5.66	$4.44	4	$3.20-$4.82	$4.28
E. South Central	4	$3.06-$3.28	$3.17	0	---	---
W. South Central	7	$3.00-$4.44	$3.84	2	$3.00-$4.20	$3.60
Mountain	11	$3.16-$3.88	$3.66	8	$3.16-$3.75	$3.45
Pacific	8	$3.15-$4.10	$3.53	4	$3.39-$3.59	$3.48

(a) This table includes the basic prices reported for widely separated or distinct markets and also the different prices paid to farmers shipping from the various freight or transportation rate zones of different regional markets, such as Boston, New York, and Philadelphia. The "Average of All Prices" is a simple average of all prices reported for the various zones and local city markets. However, the number of series of quotations in the vicinity of most of the larger cities for the month of February is sufficiently large that this simple average is virtually a weighted average. For the month of March the reports received cover the markets less completely.

The following table shows the range of wholesale and retail prices reported for different grades of milk and certain other dairy products delivered at buyers' place of business or at the homes of retail customers. The table also shows the number of cities (among those listed in table 3) in which the different prices prevail.

TABLE NO. II. Prices Charged by City Milk Dealers for Month of February, 1919.

	Range of Wholesale and Retail Prices	Number of Cities Reporting Different Prices for Different Goods: Common Milk (Grade B)	Special Milk (Grade A)	Certified Milk	Common Buttermilk	Special Buttermilk	Cottage Cheese	Light Cream (18-20%)	Extra Heavy Cream
RETAIL PRICES (Quoted per quart bottle of milk; buttermilk, per ½ pint bottle of cream; and per pound of cottage cheese.)	$								
	.05 to .09	0	0	0	39	0	10	6	0
	.10	0	0	0	20	2	5	0	0
	.11	1	0	0	1	0	0	0	0
	.12	5	0	0	3	2	3	4	0
	.13	12	0	0	1	2	1	8	0
	.14	21	0	0	1	4	6	10	0
	.15	22	7	2	2	6	11	29	0
	.16	12	7	2	0	1	0	5	0
	.17	3	2	0	0	0	0	5	0
	.18	6	11	0	0	0	0	5	0
	.19	2	2	0	0	0	0	2	0
	.20	7	0	11	0	1	0	4	0
	.21	0	2	2	0	1	0	3	0
	.22	0	2	3	0	0	0	0	0
	.23	0	0	2	0	0	0	0	0
	.24	0	0	2	0	0	0	0	0
	.25	0	2	3	0	0	0	0	0
	.25 to .28	0	0	5	0	0	0	0	0
	Total Cities	89	35	32	67	19	36	81	0
WHOLESALE PRICES (Quoted per gallon for milk buttermilk and cream; per pound for cottage cheese.)	$.10@.20	0	0	0	15	0	28	20	0
	.20@.30	31	0	0	29	0	4	0	0
	.30@.40	41	2	0	14	1	3	0	0
	.40@.50	9	2	0	6	2	0	0	0
	.50@.80	1	4	0	2	4	0	0	13
	.80@1.00	0	0	0	0	0	0	0	3
	1.00@1.25	0	0	0	0	0	0	2	5
	1.25@1.50	0	0	0	0	0	0	10	0
	1.50@1.75	0	0	0	0	0	0	31	0
	1.75@2.00	0	0	0	0	0	0	14	0
	Total Cities	82	8	0	66	6	35	77	21

(1) Wholesale Prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users, such as hotels, restaurants, confectioneries and bakeries. Although milk and cream are commonly delivered in cans varying from 8½ quarts to 10 gallons in size, all quotations have been reduced to a gallon basis. In the case of extra heavy cream, however, prices are quoted per pound of its butter fat.

The following table presents the prevailing prices of "standard grade" milk paid by different classes of buyers in various markets of the United States.

Table No. III. WHOLESALE AND RETAIL PRICES FOR FEBRUARY, 1919

Markets for Which Reports Were Obtained	Prices (per Quart) Paid by Distributors to Producers			Prices Paid by Restaurants to Distributors		Prices Paid by Stores to Distributors		Cents (per Quart) Paid by Family Trade to Stores & Distributors			"Dealers' Spread" on 3.5%** Milk Delivered to Retail Trade (Cents per Quart)
	(b)F.O.B. City	(a)Country Stations Raw Milk Delivered	Butter fat Basis of given Prices	Butter fat Allowance (cts.per lb).	Cents per Quart For Bulk Goods Delivered	Cents per Quart For Bottled Goods Delivered	Cents per Quart For Bulk Goods Delivered	Cents per Quart For Bottled Goods Not Delivered	For Bulk Goods Not Delivered	For Bottled Goods Not Delivered	For Bottled Goods Delivered	
Alabama:					12.5		12.5					
(c)Mobile	--	--	--	--	16@2	--	16@2	--	--	20	20	c
(c)Birmingham	no report received this month											
Arkansas:												10b,5@
(c)Little Rock	7.5b	3.5h	1.00	12.5	15	f	15	f	18-19	18-19		11.5
Arizona:												
(c)Phoenix	6.4b	3.5b	85	9.5	--	10	11	--	--	12.5		6.1b
(c)Tuscon	No report received this month											
California:												
(d)San Francisco	7.7b	3.6	30	9.7	12	9.7	12	f	14	14		6.3b
Los Angeles	7.5b	3.5h	1.00	--	--	13	--	--	--	14		6.5b
(e)San Diego	8.7b	3.5h	1,15	11.7	13.6	f	13.6	f	16	16		7.3b
Colorado:												
Denver	6.8b	3.5h	90	7.7	12	f	12	f	12	13		6.2b
Pueblo	8.3b	3.4h	1.20	10.5	13	10.5	13	12	12	14		5.7b
Colo. Springs	7.5b	3.5	35	9.7	12	f	12	f	10-13	13		5.5b
Connecticut:												
Bridgeport	8.3b	3.0	40	11.2	14	f	14	f	16	16		7.3b
(d)New Haven	8.3b	3.0	40	12.5	14	12.5	14	f	--	16		7.3b
Hartford	8.5b	3.0	40	12.5	14	16	14-16	f	16	16		7.1b
Delaware:												
Wilmington	No report received this month											
District of Col.												b
Washington	10b	3.5	46.5	10	12-15	14-15	14-15	--	16-17	16-17		6.07.0
Florida:												
(c)Jacksonville	11@2b	4.2	50	12.5	15	12.5	15	16	16	18		7.5b
(c) Tampa	--	--	--	12.5	--	15	20	f	18	20		--
(c) Miami	--	--	--	17.5	20	20	25	--	--	--		--
Georgia:												
Atlanta	11.2b	g	g	15	20	--	--	--	20	20		8.8b
(c)Augusta	7.6b	3.5h	90	--	13	f	13	f	15	18		10.4b
Idaho:												
(c) Wallace	8.3b	g	g	10	--	f	15	f	15	15		6.7b
Pocatello	7.7b	g	g	11@2	12.5	f	12.5	f	15	15		7.3b
Illinois:												
Chicago	7.5a-8.6b	3.5	40	11-11.5	14	f	13-14	f	13	14		6.5a-5@4b
Peoria	7.5b	3.5	40	9.0	--	--	--	11	11	12		4.5b
Rockford	7.5b	3.5	30	9.5	--	10	11	f	12	12		4.5b
Quincy	7.7b	g	g	7.5	10	7.5	12	11	--	--		4.5b
Indiana:							10.5					6.2-
Indianapolis	6.8b	3.5h	90	10.5	10.5	10.5	12.5	f	13-14	13-14		7.2b
Fort Wayne	7.5b	g	g	10	11	f	12	14	14	14		6.5b
South Bend	7-7.5b	g	g	9-9.5	--	f	11	f	13	13		5.5@ 6.0b
(d)Evansville	7.7b	40	i	11.5	13	11.5	13	f	14	14		6.4b
Iowa:					11.2-							
Des Moines	8.0b	3.5	50	11.2	13	11.2	13	f	14-15	15		7.0b
Dubuque	7.4b	3.6	35	10	11	10	11	f	12	12		4.6b
Sioux City	8.6b	4.0	60	11.2	13	11.2	13	f	14	14		6.0b
Kansas:												
Kansas City	9.0b	4.0	--	8.5-10	--	f	13	f	15	15		6.0b
Topeka	8.0b	g	g	10	--	f	13.5	f	--	15		7.0b
Kentucky:												
Louisville	7.5b	4.0	i	10	13	10	13	f	15	15		7.5b
(c)Lexington	--	--	--	12.5	12.5	12.5	12.5	f	18	18		--
Louisiana:												
New Orleans	9.5b	3.5	23	11.2	14	f	14	f	16	16		6.5b
Shreveport	11.2b	g	g	16	16	f	16	f	20	20		8.8b
Maryland												6.5
Baltimore	9.5b	g	g	15.7	16	f	16-17	f	15	16-17		7.0b
(c)Cumberland	8.5-10b	g	g	11	13	f	13	13	13	15		5@6.5b
Massachusetts:												
(d)Boston	9.6b	3.5	40	14	14.5	14	14.5	f	16.5	16.5		6.3b
Springfield	9.6b	g	g	13	13.5	--	13.5	f	13-14			7.4b
Pittsfield	8.4b	g	g	12	12	12	--	f				
Fall River	10.7b	g	g	13	14	f	14	f	15			

 February Milk Prices

Michigan:												
(d)Detroit	7.9b	3.5	40	11.5	14	f	14	f	15	15	7.1b	
Grand Rapids	7.5b	3.5	40	10	12	10	12	f	13	14	6.5b	
Kalamazoo	7.5b	g	g	10	11	f	11	f	13	13	5.5b	
Minnesota;												
(1)Minneapolis	7.0b	3.5	50	10	11.5	10	11.5	f	12	13	6.0b	
(1)St.Paul	7.0b	3.5	50	10	11.5	10	11.5	f	12	13	6.0b	
Duluth	No report received this month											
Winona	7.2b	g	g	9.5	10	f	10	f	10	13	5.8b	
Missouri:												
St. Louis	7.7a @ 9.0b	3.5	30	10.5 @12	13	10.5-12	13	f	14	14	6.3a 5.0b	
St. Joseph	7.7b	--	--	11.2	13	f	13	f	15	15	7.3b	
Montana:												
(c) Helena	--	--	--	--	--	--	15	10	15	15	--	
Butte	8.6b	g	g	11.2	--	12.5	12.5	f	15	15	6.4b	
Nebraska:												
Lincoln	8.0b	4.0h	95	11.2	12	f	14	f	14	14	6.9b	
Omaha	7.5b	3.5	70	10	--	10	13	--	--	14.2	6.7b	
New Jersey:												
Newark	8.5b	3.0	40	12	13	f	13	f	17	17	8.1b	
Trenton	9.4b	4.0	40	11.5	12	f	13	f	14	14	5.0b	
Atlantic City	--	--	--	--	14	--	16	--	18	18	--	
Camden	9.5b	g	g	--	13	f	14	f	14	14	4.5b	
New York:	7.6a										8.8a	
New York	8.5b 7.1a@ 7.6b	3.0	40	11.2 11.5	15-16	11.5	15	12	15-16	16	7.9b 7.5a@ 7.0b	
Buffalo	9.0b	3.6	40	10.5	--	f	15	f	15	15	6.0b	
Albany	8.7b	g	g	11.5	13	11.5	13	f	14	14	5.3b	
Rochester	8.5b	g	g	12	13	12	13	14	14	14	5.5b	
(c)Binghampton												
North Carolina:												
Greensboro	8.6b	g	g	10.5	13	12.5	13	12.5	15	20	11.4b	
North Dakota												
(c)Jamestown	6.4b	g	g	8.7	--	--	--	--	10	12	5.6b	
Bismarck	7.4b	g	g	8.7	--	--	--	--	12	15	7.6b	
Oklahoma:												
Oklahoma City	6.8b	3.5h	90	10	12	10	12	f	14-15	15-16.5	8.2@ 9.7b	
Ohio:												
Cincinnati	8.5b	g	g	11-12	13	f	13	f	14	14	5.5b	
(e)Cleveland	7.5a- 8.7b	3.5	50	10.5	12.5	10.5	12.5	f	--	14	6.5a@ 5.3b	
Toledo	7.7b	g	g	--	--	--	12	--	15	15	7.3b	
Dayton	No report received this month											
Columbus	8.2b	4.0	60	10	13	10	13	f	--	15	7.4	
Oregon:												
Eugene	7.2b	g	g	8.7	10	8.7	12	--	--	14	6.8b	
Portland	8.3b	3.8	50	11.2	13	11.2	13	15.5	15.5	15.5	7.5b	
Pennsylvania:												
Philadelphia	9.5b	4.0	40	12	13	12	13	f	14	14	4.9b	
Pittsburg	7.7a@ 9.5b	3 5	50	12.5	14.5	13	14-14.5	-	14-14.5	14-14.5	6.3-6.8 5.5b	
(d)Harrisburg	8.6b	g	g	12	12	12	11	f	13	13	4.4b	
Scranton	8.6b	3.0	40	11.2	13	f	13	f	14	14	5.8b	
Rhode Island:												
Providence	9.6b	3.5	40	--	--	13.5	14.5	--	--	16.5	6.9b	
Newport	9.0-9.5b	g	g	13	13	13	13	f	15	15	6-5.5b	
South Carolina:												
Greenville	12.7b	g	g	17.5	--	--	--	--	20	20	7.3b	
South Dakota												
Sioux Falls	8.1	g	g	10	--	--	13	--	--	13	4.9b	
Tennessee:												
Memphis	No report received											
Nashville	7.9b	4.0h	92	12.5	16	12.5	16	f	18	18	9.0b	
Knoxville	No report received											
Texas:												
(d)San Antonio	9.1b	4.0	90	11.2	15	11.2	15	f	17	17	8.8b	
El Paso	9.9b	4.0	40	12.5	12.5	f	12.5	f	17	19	9.4b	
Galveston	10b	g	g	15	--	--	15	--	--	20	10b	
Utah:												
Salt Lake City	7.2b	g	g	8.0	11	8.0	11	10	11	12.5	5.3b	
Virginia:												
Richmond	10b	g	g	13	15	13	15	15	15	15	5.0b	
Lynchburg	10b	g	g	18	18	--	--	--	--	--	--	
Washington:												
Spokane	8.0b	3.6	50	10.7	12.5	--	13	12	13	15	7.0b	
Seattle	8.5- 8.7b	3.5	50	10.7	12.5	10.7	12	f	13-14	15	6.5@ 6.3b	
West Virginia:												
Wheeling	No report received this month											
Clarksburg	10.5b	g	g	12.5	15	f	15	f	16.5	16.5	6.0b	
Wisconsin:												
Milwaukee	8.1- 8.4b	g	g	10.5	12	10.5	12	f	13	13	4.6@ 4.9b	
Wausau	6.4b	g	g	--	--	--	10	--	--	11	4.6b	
Beloit	7.5b	3.5	40	9.5	12	f	12	f	13	13	5.5b	
Green Bay	7.5b	3.6	40	10	11	10	11	11	12	12	4.5b	
Vermont												
Burlington	8.0b	g	g	11	12	11	12	11	13	14	6.0b	

EXPLANATORY NOTES REGARDING PRICES QUOTED IN TABLE III.

** The prices of milk quoted for different cities in this table apply to that grade of milk which is most generally sold within the particular city for which prices are quoted. This grade of milk may be either raw or pasteurized; in most of the larger cities of the country, however, the term "standard grade milk" refers to pasteurized milk. The "dealers' spread", (the difference between the cost price of milk to the dealer and the selling price to family trade) which is reported for different markets in the last column of this table, is calculated on the basis of 3.5% milk, even though the reports made to this Bureau show that in a considerable number of cases the average butter fat test of milk as delivered to consumers by different dealers is either higher or lower than 3.5. This "spread" as reported in this table, therefore does not show the actual gross margins of profits of different dealers in each city, but it does show the dealers' margins of gross profit or "apreads" on the basis of a similar grade of milk, sold and delivered to the same class of trade.

(a) Producers' prices for milk delivered to country shipping stations. The cost to the dealers of milk delivered f.o.b. city varies according to differences in transportation costs from various shipping points.

(b) Prices are quoted to producers for milk delivered f.o.b. city, and therefore prices to producers vary in this market according to differences in transportation costs from various shipping stations to the city where milk is distributed.

Where both (a) and (b) prices are quoted for the same market the f.o.b. city price reported applies to direct shipments from farm to city or, since the transportation rates from various country shipping stations differ according to distance from city, it represents only the average cost of milk to some dealers.

(c) Practically all or the greater portion of the market milk supply of this city is reported to be furnished by local producers who distribute their own supply and therefore there is no well established basic wholesale price quotation in this market.

(d) The quantities of milk that dealers in this market have obligated themselves to accept at the given price may not exceed a definitely stipulated percentage of increase over a low production month of the year.

(e) The reported price does not apply to surplus quantities of milk that are converted into manufactured dairy products.

(f) Bulk milk is not permitted to be sold to this class of trade.

(g) A flat price is paid for all milk, no allowance being made for variations in butter fat content.

(h) In this market milk is bought by dealers on the basis of its butter fat content at a definite price per point or pound of butter fat. The price per quart as quoted in the first column of this table is calculated on the basis of the butter fat standard which is indicated in the second column.

(i) In this market a lower price, which is based on some recognized wholesale butter market quotation, is paid for the butter fat content in excess of the standard indicated in the second column of this table.

* The prices per pound of butter fat quoted in the second column of this table refer generally to the allowances made for variations from the butter fat standard applying to the basic price for whole milk shown in the first column of this table. In those markets where the price of whole milk is based solely upon its butter fat content, the given quotation per pound of butter fat includes payment for the nonfat contents of natural milk as well as for its butter fat content; and for that reason the butter fat allowances in such markets are generally much higher than those quoted for markets in which the given allowances refer only to premiums or deductions per point of butter fat above or below the given standard.

(1) The Minneapolis and St. Paul f.o.b. prices are based on the average price of cheese as established by the Plymouth Wisconsin Cheese Board. The price of ten pounds of cheese plus 70 cents transportation and marketing expenses is the price paid by Minneapolis and St. Paul dealers for a cwt. of 3.5% milk. The quotation of 7 cents per quart which is given in this table is based on the Plymouth quotations for the first two weeks of February.

GENERAL COMMENT.

The reports from many markets stated that there was an unusually large surplus in February, and in some cities where the dealers took the entire supply offered, the prices paid to producers were lower than those previously agreed upon. In a few cities retail prices were reduced in accordance with the reduction of wholesale prices. According to late reports, the supply will be large during March; and, unless demand increases, a portion of the supply for some markets will be cut off and converted into manufactured products at country stations.

CHARLES J. BRAND,
Chief of Bureau.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF MARKETS
Washington, D. C.

March 21, 1919.

Summary Report of the Prevailing Prices of Milk, Cream and Certain Milk Products in Various Markets of the United States for March, 1919.
(This report is based on reports made to the Bureau of Markets by city health officials, milk dealers, and officers of milk producers' associations.)

The following table presents a comparison of prices* agreed to or offered by milk dealers for the common grade of raw milk delivered in bulk at local milk plants or at the farmers' country shipping points. The prices as stated are either quotations for 3.5 milk or quotations for milk of other tests reduced to that basis.

TABLE NO. 1. -- Prices to be Paid Milk Producers for Month of March, 1919.

Geographic Sections	March: No. of Local Markets Reporting (a)	March: Range of Prices Reported (Per Cwt.)	March: Average of All Prices Reported (a) (Per Cwt.)	April: No. of Local Markets Reporting	April: Range of Prices Reported (Per Cwt.)	April: Average of All Prices Reported (a) (Per Cwt.)
New England	37	$3.58-$4.04	$3.82	No Reports		
Middle Atlantic	92	$2.97-$3.76	$3.32	"	"	
E. North Central	70	$2.70-$3.50	$3.06	"	"	
W. North Central	60	$2.35-$3.95	$3.02	"	"	
South Atlantic	10	$2.20-$5.60	$4.16	"	"	
E. South Central	5	$3.00-$4.20	$3.50	"	"	
W. South Central	7	$2.25-$4.45	$3.08	"	"	
Mountain	12	$3.38-$2.55	$2.09	"	"	
Pacific	10	$3.83-$3.00	$3.45	"	"	

(a) This table includes the basic prices reported for widely separated or distant markets and also the different prices paid to farmers shipping from the various freight or transportation rate zones of different regional markets, such as Boston, New York and Philadelphia. The "Average of All Prices" is a simple average of all prices reported for the various zones and local city markets. However, the number of series of quotations in the vicinity of most of the larger cities is sufficiently large that this simple average is virtually a weighted average.

The following table shows the range of wholesale and retail prices reported for different grades of milk and certain other dairy products delivered at buyers' place of business or at the homes of retail customers. The table also shows the number of cities (among those listed in table 3) in which the different prices prevail.

TABLE NO. 11. -- Prices Charged by City Milk Dealers for Month of March, 1919.

	Range of Retail and Wholesale Prices	Number of Cities Reporting Different Prices for Different Goods: Common Milk (Grade B)	Special Milk (Grade A)	Certified Milk	Common Butter-Milk	Special Butter-Milk	Cottage Cheese	Light Cream 18-20%	Extra Heavy Cream
RETAIL PRICES (Quoted per quart of milk; buttermilk; per pint bottle of cream; and per pound of cottage cheese.)	Cents								
	6-7	0	0	0	12	0	1	0	---
	8	0	0	0	10	1	0	0	---
	9	0	0	0	5	1	0	0	---
	10	0	0	0	23	3	4	0	---
	11	3	0	0	2	0	1	0	---
	12	7	0	0	0	1	4	1	---
	13	20	0	0	0	1	1	6	---
	14	17	2	0	1	4	3	7	---
	15	18	5	1	2	5	15	10	---
	16	15	6	0	0	1	1	0	---
	17	2	2	0	1	0	0	1	---
	18	5	6	1	0	0	1	3	---
	19-20	6	2	6	1	0	5	4	---
	21-22	0	1	5	0	0	0	0	---
	23-24	0	0	3	0	0	0	1	---
	25-28	2	0	7	0	0	4	1	---
Total	Cities	95	24	23	57	17	40	34	---
WHOLESALE PRICES Quoted per gallon for milk, buttermilk, and cream; per pound for cottage cheese.	$.05-.10	0	0	---	0	0	22	0	0
	.11-.15	0	0	---	7	0	12	0	0
	.16-.20	0	0	---	18	0	3	0	0
	.21-.25	0	0	---	10	0	1	0	0
	.26-.35	11	1	---	21	2	1	0	0
	.36-.40	24	1	---	7	4	0	0	0
	.41-.50	37	2	---	1	3	0	0	0
	.51-.65	15	8	---	3	3	0	0	0
	.66-.80	1	2	---	0	0	0	0	0
	.81-1.00	0	1	---	0	0	0	0	11
	1.01-1.30	0	0	---	0	0	0	6	7
	1.31-1.45	0	0	---	0	0	0	15	0
	1.46-1.65	0	0	---	0	0	0	26	0
	1.66-1.80	0	0	---	0	0	0	16	0
	Over 1.80	0	0	---	0	0	0	10	0
Total	Cities	88	15	---	67	12	39	73	18

(1) Wholesale Prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users, such as hotels, restaurants, confectioneries and bakeries. Although milk and cream are commonly delivered in cans varying from 8½ quarts to 10 gallons in size, all quotations have been reduced to a gallon basis. In the case of extra heavy cream, however, prices are quoted per pound of butter fat.

DEPARTMENT OF AGRICULTURE
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The different table presents the prevailing prices of "standard grade" milk paid by different classes of buyers in various markets of the United States.

TABLE NO. III. WHOLESALE AND RETAIL PRICES OF MILK, 1918.

Markets Which Reports Were Obtained	Paid by Distributors to Producers			Paid by Restaurants to Distributors	Paid by Stores to Distributors	Paid by Family Trade to Distributors		Stores		"Dealers' Spread" on 3.5% milk Delivered to Retail Trade **
	Milk Delivered at (a) Country Stations (b) F.O.B. City	Butter fat Basis of Given Prices	Butter fat Allowance (cts. per lb.	Cents per Gallon Delivered For Bulk Goods	Cents per Gallon Delivered For Bottled Goods	Cents per Gallon Delivered For Bulk Goods	Cents per Quart For Bottled Goods	Net Delivered For Bulk Goods	Net Delivered For Bottled Goods	Cents per Quart Delivered	Cents per Quart For Bottled Goods	
Alabama:												
Mobile (c)	c	--	--	50-65	12.5	50-65	12.5	12.5	20	20.0	c	
					16@5		16@5	16@5				
Birmingham(c)	8.7-9.5	g	g	35-60	--	45-60	--	--	20	20	5-11.3	
Arkansas:												
Little Rock(c)	7.5b	3.5h	1.00	50	15.0	--	15.0	15.0	18	18	10.5-11.	
Arizona:												
Phoenix (c)	6.1b	4.0	70	35	11.0	40	--	--	--	12.5	5.8	
California:												
SanFrancisco(d)	7.7b	3.6	30	39	12.0	39	12.0	--	14	14.0	6.3	
Los Angeles	8.2b	3.8h	1.00	--	--	--	--	--	--	--	--	
San Diego (e)	9.4b	4.0h	1.10	46.6	13.6	f	13.6	f	--	16.0	7.6	
Colorado:												
Denver	6.1b	3.5h	80	35	--	--	11.0	11.0	11.0	13.0	6.9	
Pueblo	8.7b	3.5	1.20	--	13.0	42.5	13.0	--	13.0	14.0	5.3	
Colo.Springs	7.5b	3.0	30	37-45	12.0	f	11.5	10.0	12.0	12.5	5.0	
							12@5			13@0	5.5	
Connecticut:												
Bridgeport	7.0a	3.0	40	44	14.0	f	14.0	--	16.0	16.0	8.6a	
New Haven (d)	10.0b	g	g	--	14.0	--	14.0	--	--	16.0	6.0	
Hartford	7.4a	3.0	40	50	14.0	50.0	14.0	--	--	16.0	8.2a	
Delaware:												
Wilmington	8.3b	g	g	--	--	--	--	--	--	--	--	
Dist.ofColumbia												
Washington	10.0b	3.5	46.5	52	14.0	52.0	14.0	--	15.0	17.0	7.0	
Florida:												
Jacksonville(c)	11.2b	4.3	50	50	15.0	50.0	15.0	16.0	16.0	16.0	5.5	
Tampa (c)	c	--	--	55	15.0	60.0	18.0	--	18.0	20.0	c	
Miami (c)	14-15b	g	g	70	--	80.0	20.0	--	25.0	25.0	10-11	
Georgia:												
Atlanta	7.9b	g	g	60	--	--	--	--	--	--	--	
Savannah	17.5-20b	g	g	--	--	f	20.0	f	25.0	25.0	5.0-7.5	
Augusta (c)	c	--	--	--	13.0	--	13.0	--	15.0	18.0	c	
Idaho:												
Wallace (c)	8.7b	g	g	40	--	--	15.0	--	20.0	15.0	6.3	
Pocatello	9.0b	g	g	35	12.5	f	12.5	--	--	15.0	6.0	
Illinois:												
Chicago	6.4a	3.5	40	40-42	13.0	--	12-13	--	12-13	13.0	6.6a	
	7.5b										5.5	
Peoria	7.5b	3.5	40	34	--	--	--	--	--	--	--	
Rockford	6.4b	3.5	40	34	--	--	10.0	--	11.0	11.0	4.6	
Indiana:												
Indianapolis	7.5b	4.0	74	34	9.0	38.0	11.0	--	13.0	13.0	6.1	
Fort Wayne	7.5c	g	g	--	11.0	--	11.0	--	13.0	13.0	5.5	
South Bend	6.7b	g	g	36	--	--	10.0	12.0	12.0	12.0	5.3	
Evansville(d)	7.4b	g	g	46	13.0	46.0	14.0	14.0	14.0	14.0	6.6	
Iowa:												
Des Moines	8.0b	3.5	50	45	13.0	45.0	13.0	15.0	15.0	15.0	7.0	
Dubuque	7.0b	3.6	30	40	11.0	f	11.0	--	12.0	12.0	5.0	
Sioux City	8.6b	4.0	60	45	13.0	45.0	13.0	f	14.0	14.0	6.0	
Kansas:												
Kansas City	No report received this month											
Topeka	No report received this month											
Kentucky:												
Louisville	7.5-8.3b	4.0		40-43	13.0	40-43	13.0	f	15.0	15.0	6.7-7.5	
Lexington (c)	c	--	--	15.0	12.5	15.0	12.5	f	18.0	18.0	c	
Louisiana:												
New Orleans	9.5b	3.5		45	14.0	--	14.0	f	16.0	16.0	6.5	
Shreveport	11.5			55	15.0	55	15.0	f	17.5	17.5	5.9	
Maryland												
Baltimore(d)	8.0b	g	g	54-60	15-16	54-60	--	15.0	14-16	15-16	7.0-8	
										16.5	8.5	
Cumberland(c)	9.0b	g	g	--	--	--	15.0	--	--	17.0	7.0	

Massachusetts:											
Boston (d)	9.4b	3.5	40	52-56	14.5	56	14.5	f	16.5	16.5	7.1
Springfield	9.5b	g	g	--	--	52	14.0	f	15.0	14.0	4.5
Pittsfield											
Fall River	10.7b	g	g	55	--	--	14.0	--	--	16.0	5.3
Michigan:											
Detroit	7.7b	3.5	40	46	14.0	46	14.0	f	15.0	15.0	7.3
Grand Rapids	7.5	3.5	40	40	12.0	40	12.0	f	13.0	14.0	6.5
Kalamazoo	7.5b	g	g	40	11.0	f	11.0	f	13.0	13.0	5.5
Minnesota:											
Minneapolis	7.5b	3.5	50	40	11.5	40	11.5	f	12.0	13.0	5.5
St. Paul	7.5b	3.5	50	40	15.0	40	11.5	f	12.0	13.0	5.5
Duluth	7.5b	3.5	50	40	13.0	42	13.0	f	--	14.0	6.5
Winona	7.2b	g	g	40	10.0	40	10.0	f	11.0	11.0	4.8
Missouri:											
St. Louis	7.0a	3.5	30	40-45	13.0	40-45	13.0	f	14.0	14.0	7.0a
	8.0b										6.0
Kansas City	8.5b	g	g	40	--	--	--	--	--	15-16	6.5
											7.5
St. Joseph	7.7b	4.0	90	44.8	13.0	f	13.0	f	15.0	15.0	8.2
Montana:											
Helena (c)	c	--	--	40	10.0	40	12.5	40	12.5	15.0	c
Butte	6.1b	3.5h	30	45	15.0	--	--	--	15.0	15.0	8.9
Nebraska:											
Lincoln	7.1b	g	g	40	11.5	50	--	--	--	--	--
Omaha	5.6b	3.5h	50	--	--	--	--	--	--	--	--
New Jersey:											
Newark	8.0b	3.0	40	44.0	11.5	44	11.5	f	--	16.0	7.6
				45@5	12.0						
Trenton	8.4b	4.0	40	42	11.0	f	12.0	f	13.0	13.0	5.0
Camden	8.5b	g	g	--	--	f	13.0	f	--	13.0	4.5
New York:											
New York	7.2a	3.0	40	42-43	14-15	42-43	14-15	--	15-16	15-16	7.4-8.4a
	8.0b										6.6-7.6b
Buffalo	6.7a	3.0	40	42-48	14.0	f	12.5	f	--	14.0	6.9a
							14.0				
Albany	8.4b	3.6	40	48	--	f	15.0	f	15.0	15.0	6.6
Rochester	8.2b	g	g	44	12.5	44	12.5	f	13.5	13.5	5.3
Binghampton	8.5b	g	g	44	12.0	f	12.0	f	13.0	13.0	4.5
North Dakota:											
Jamestown	6.5b	g	g	35	--	f	--	f	12.0	13.0	6.5
Bismarck	6.5b	g	g	32	--	f	--	f	12.0	13.0	6.5
Oklahoma:											
Oklahoma City	6.8b	3.5h	90	40	12.0	40	12.0	f	14-15	15.0	8.2
										16.5	9.7
Ohio:											
Cincinnati	8.2b	g	g	44-48	13.0	f	14.0	f	14.0	14.0	5.8
Cleveland (d)	7.5b	3.5	50	39	10.0	39	10.0	f	13.0	13.0	7.5
Toledo	7.4b	g	g	40	11.0	-	11.0	13.0	13.0	13.0	5.6
Dayton	--	-	-	40	13.0	40	13.0	f	14.0	14.0	--
Columbus	8.2b	4.0	50	38	12.0	38	12.0	--	--	14.0	5.8
Oregon:											
Eugene	7.1b	g	g	35	--	--	12.0	--	14.0	14.0	6.9
Portland	8.3b	3.8	50	40	12.0	40	12.0	14.5	14.5	14.5	6.2
Pennsylvania:											
Philadelphia	8.5b	4.0	40	40-44	12.0	40-44	12.0	13.0	13.0	13.0	4.9
							12.5				
Pittsburg	6.4a	3.5	50	44	13.5	44	13.5	13.5	14.0	14.0	7.6a
	8.2b										5.8b
Harrisburg	No report received this month										
Scranton	7.1a	3.0	40	45	13.0	--	13.0	--	--	14.0	6.5a
Rhode Island:											
Providence	9.4b	3.5	40	--	--	--	--	--	--	16.5	7.1
Newport	9-9.5b	g	g	52	13.0	52	13.0	f	15.0	15.0	5.5
											6.0
South Carolina:											
Greenville	12.5b	g	g	50	--	--	--	--	--	20.0	7.5
South Dakota:											
Sioux Falls	8.1b	g	g	40	--	--	13.0	--	--	13.0	4.9
Tennessee:											
Memphis	9.5b	g	g	--	16.0	50	--	--	--	18.0	8.5
Nashville	8.0b	4.0	30	50	16.0	50	16.0	f	18.0	18.0	10.0
Knoxville	No report received this month										
Texas:											
San Antonio	8.6b	4.0	1.00	45	15.0	--	15.0	--	17.0	17.0	9.4
El Paso	10.0b	4.0	40	50	--	f	12.5	13.5	17.0	19.0	9.4
							13.0				
Galveston	9.6-11b	g	g	60	16.5	60	16.5	16.5	20.0	20.0	8.8
											10.7
Utah:											
Salt Lake City	6.7b	g	g	33	11.0	f	11.0	f	12-13	12.5	5.8
Virginia:											
Richmond	10.0b	3.8	30	53	15.0	f	15.0	f	--	15.0	5.0

Washington:											
Spokane	7.6b	3.6	50	42.5	12.5	--	13.0	12.0	13.0	15.0	7.4
											8.0
Seattle	6.8b	3.5	50	35	11.0	35	11.0	--	13-13	13-14	6.2
											7.2
West Virginia:											
Clarksburg	9.0b	g	g	45	14.0	f	14.0	f	15.5	15.5	6.5
Wisconsin:											
Milwaukee	7.5b	g	g	38	11.0	--	11.0	f	12.0	12.0	4.5
Wausau	6.4b	g	g	--	10.0	f	10.0	f	11.0	11.0	4.6
Beloit	6.4b	3.5	40	38	11.0	f	11.0	f	12.0	12.0	5.6
Green Bay	6.4b	3.6	40	40	11.0	40	11.0	11.0	12.0	12.0	5.6

To facilitate the reading of prices listed above and on the reverse side of this sheet adjust the columns to the headings of the table at the top of page 2.

EXPLANATORY NOTES REGARDING PRICES QUOTED ABOVE:

** The prices of milk quoted for different cities in this table apply to that grade of milk which is most generally sold within the particular city for which prices are quoted. This grade of milk may be either raw or pasteurized; in most of the larger cities in the country, however, the term "standard grade milk" refers to pasteurized milk. The "dealers' spread", (the difference between the cost price of milk to the dealer and the selling price to family trade) which is reported for different markets in the last column of this table, is calculated on the basis of 3.5% milk, even tho the reports made to this Bureau show that in a considerable number of cases the average butter fat test of milk as delivered to consumers by different dealers is either higher or lower than 3.5. This "spread" as reported in this table, therefore, does not show the actual gross margins or profits of different dealers in each city, but it does show the dealers' margins of gross profit or "spreads" on the basis of a similar grade of milk, sold and delivered to the same class of trade.

(a) Producers' prices for milk delivered to country stations. The cost to the dealers of milk delivered f.o.b. city varies according to differences in transportation costs from various shipping points.

(b) Prices are quoted to producers for milk delivered f.o.b. city, and therefore prices to producers vary in this market according to differences in transportation costs from various shipping stations to the city where milk is distributed.

Where both (a) and (b) prices are quoted for the same market the f.o.b. city price reported applies to direct shipment from farm to city or, since the transportation rates from various country shipping stations differ according to distance from city, it represents only the average cost of milk to some dealers.

(c) Practically all of the market milk supply of this city is reported to be furnished by local producers who distribute their own supply and therefore there is no well established basic wholesale price quotation in this market.

(d) The quantities of milk that dealers in this market have obligated themselves to accept at the given price may not exceed a definitely stipulated percentage of increase over a low production month of the year.

(e) The reported price does not apply to surplus quantities of milk that are converted into manufactured dairy products.

(f) Bulk milk is not permitted to be sold to this trade.

(g) A flat price is paid for all milk, no allowance being made for variations in butter fat content.

(h) In this market milk is bought by dealers on the basis of its butter fat content, at a definite price per point or pound of butter fat. The price per quart as quoted in the first column of this table is calculated on the basis of the butter fat standard which is indicated in the second column.

(i) In this market a lower price, which is based on some recognized wholesale butter market quotation, is paid for the butter fat content in excess of the standard indicated in the second column of this table.

* The prices per pound of butter fat quoted in the second column of this table refer generally to the allowances made for variation from the butter fat standard applying to the basic price for whole milk shown in the first column of this table. In those markets where the price of whole milk is based solely on its butter fat content, the given quotation per pound of butter fat includes payment for the non-fat contents of natural milk as well as for its butter fat content; and for that reason the butter fat allowances in such markets are generally much higher than those quoted for markets in which the given allowances refer only to premiums or deductions per point of butter fat above or below the given standard.

(l) The prices of the milk producers marketing agency for milk delivered in Minneapolis and St. Paul are based on the price of cheese (style-twins) as shown by sales on the dairy board at Plymouth, Wisconsin. The agreement between the selling agency and dealers provides that the price per cwt. of 3.5 milk f.o.b. St. Paul or Minneapolis shall be the value of ten pounds of cheese at the Plymouth quotations plus 70 cents. The price of 7.5 cents per quart which is given in this table is based on the average of the Plymouth quotations for only the first two weeks of March.

CHARLES J. BRAID,
Chief of Bureau.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF MARKETS
Washington, D. C. April 21, 1919.

Summary Report of the Prevailing Prices of Fluid Milk, Cream and Certain Milk Products in Various Markets of the United States for April, 1919.

(This report is based on reports made to the Bureau of Markets by city health officials, milk dealers, and officers of milk producers' associations.)

The following table presents a comparison of prices* agreed to or offered by milk dealers for the common grade of raw milk delivered in bulk at local milk plants or at the farmers' country shipping points. The prices as stated are either quotations for 3.5 milk or quotations for milk of other tests reduced to that basis.

TABLE NO. 1. -- Prices to be Paid Milk Producers for Month of April, 1919.

Geographic Sections	April: No. of Local Markets Reporting(a)	April: Range of Prices Reported (Per Cwt.)	April: Average of All Prices Reported(a) (Per Cwt.)	May: No. of Local Markets Reporting	May: Range of Prices Reported (Per Cwt.)	May: Average of All Prices Reported (a) (Per Cwt.)
New England	37	$3.00-$4.04	$3.65	No.	Reports	Received
Middle Atlantic	92	$2.64-$3.37	$2.94	"	"	"
E. North Central	119	$2.40-$3.49	$2.76	"	"	"
W. North Central	45	$2.60-$3.75	$2.91	"	"	"
South Atlantic	11	$3.42-$4.67	$4.03	"	"	"
E. South Central	4	$2.95-$5.80	$3.44	"	"	"
W. South Central	7	$3.07-$4.35	$3.59	"	"	"
Mountain	17	$2.27-$3.03	$2.30	"	"	"
Pacific	13	$2.91-$3.53	$3.41	"	"	"

(a) This table includes the basic prices reported for widely separated or distant markets and also the different prices paid to farmers shipping from the various freight or transportation rate zones of different regional markets, such as Boston, New York and Philadelphia. The "Average of All Prices" is a simple average of all prices reported for the various zones and local city markets. However, the number of series of quotations in the vicinity of most of the larger cities is sufficiently large that this simple average is virtually a weighted average.

The following table shows the range of wholesale and retail prices reported for different grades of milk and certain other dairy products delivered at buyers' place of business or at the homes of retail customers. The table also shows the number of cities (among those listed in table 3) in which the different prices prevail.

TABLE NO. 11. :Prices Charged by City Milk Dealers for Month of April, 1919.

Range of Retail and Wholesale Prices	:Number of Cities Reporting Different Prices for Different Goods. :Common Milk (GradeB)	:Special Milk (GradeA)	:Certified Milk	:Common Butter-Milk	:Special Butter-Milk	:Cottage Cheese	:Light Cream 18-20%	:Extra Heavy Cream
RETAIL PRICES per quart of milk; buttermilk; per ½ pint bottle of cream; and per pound of cottage cheese. 5-6 Cts	0	0	0	9	0	1	0	--
7	0	0	0	15	0	1	0	--
8	0	0	0	13	2	0	0	--
9	0	0	0	2	1	0	0	--
10	0	0	0	18	0	3	1	--
11	2	0	0	1	1	1	1	--
12	12	0	0	0	3	2	5	--
13	19	1	0	1	0	3	13	--
14	22	6	0	0	0	5	8	--
15	20	5	1	3	1	4	7	--
16	6	7	0	0	0	2	6	--
17	1	3	0	1	0	0	0	--
18	6	1	1	0	0	1	3	--
19-20	7	1	7	0	0	8	4	--
21-22	1	1	3	0	0	0	1	--
23-26	1	0	8	0	0	3	2	--
27-30	0	0	1	0	0	1	0	--
Total Cities	97	25	21	63	10	45	61	--
WHOLESALE PRICES per gallon for milk, buttermilk, and cream; per pound for cottage cheese and butter in extra heavy cream. $.05-.10	0	0	--	2	0	20	0	0
.11-.15	0	0	--	8	0	20	0	0
.16-.20	0	0	--	15	0	6	0	0
.21-.25	0	0	--	11	0	0	0	0
.26-.35	9	1	--	22	1	1	0	0
.36-.40	43	5	--	2	1	0	0	0
.41-.50	35	2	--	1	1	0	0	0
.51-.65	7	1	--	0	0	0	0	0
.66-.80	3	1	--	0	0	0	0	--
.81-1.00	0	0	--	0	0	0	0	--
1.01-1.30	0	0	--	0	0	0	4	--
1.31-1.45	0	0	--	0	0	0	17	0
1.46-1.65	0	0	--	0	0	0	25	0
1.66-1.80	0	0	--	0	0	0	13	0
Over 1.80	0	0	--	0	0	0	10	0
Total Cities	97	10	--	61	3	47	68	13

(1) Wholesale Prices are reported on the basis of bulk goods sold to and delivered to establishments of large scale consumers or users, such as hotels, restaurants, confectioneries and bakeries. Although milk and cream are commonly delivered in cans varying from 8½ quarts to 10 gallons in size, all quotations have been reduced to a gallon basis. In the case of extra heavy cream, however, prices are quoted per pound of butter fat.

The following table presents the prevailing prices of "standard grade" milk, paid by different classes of buyers in various markets of the United States. The prices quoted for different cities in this table apply to that grade of milk which is most generally sold within the particular city for which prices are quoted. This grade of milk may be either raw or pasteurized, and in most of the larger cities the term 'standard grade milk" refers to pasteurized milk. The "dealers' spread", (the difference between the cost price of milk to the dealer and the selling price to family trade) which is reported for different markets in the last column of this table, is calculated on the basis of 3.5% milk, even though the reports made to this Bureau show that in a considerable number of cases the average butter fat test of milk as delivered to consumers is either higher or lower than 3.5. The "spreads" as reported in this table, therefore, show the actual gross margins only for those dealers who purchase and deliver milk which actually tests 3.5% butterfat. To obtain the actual spread for any dealer it would be necessary to subtract from the selling price the dealer's cost price of milk of the same butterfat test as that sold. If the test is known the actual cost price and "spread" can be obtained by making the proper "butter fat allowance" given in the third column of the table.

TABLE NO. III — WHOLESALE AND RETAIL PRICES FOR April, 1919.

Markets for Which Reports Were Obtained	Prices Paid for Raw Milk by Distributors to Producers			Prices Paid by Restaurants to Distributors		Prices Paid by Stores to Distributors		Cents (per quart) Paid by Family Trade to Stores & Distributors			"Dealers' Spread" on 3.5% ** Milk Delivered to Retail Trade (Cents per Quart)
	(a) Station Prices (b) City Prices Cents per Quart	Butter fat Basis of Given Prices	Allowance per Lb.* of Butterfat; per Cwt. of Milk	Cents per Gallon For Bulk Goods Delivered	Cents per Quart For Bottled Goods Delivered	Cents per Gallon For Bulk Goods Delivered	Cents per Quart For Bottled Goods Delivered	For Bulk Goods Not Delivered	For Bottled Goods Not Delivered	For Bottled Goods Delivered	
Alabama:	Cts.	%	$	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.
Mobile (c)	c	--	--	50	---	50-65	---	20	20	20	c
Birmingham(c)	8.7-13.5b	g	g	50-60	---	45-50	---	--	--	20	6.5-11.3
Arkansas:											
Little Rock(c)	c	--	--	40	15	---	15	--	16	16	c
Arizona:											
Phoenix (c)	5.5b	4.0	.65	36-40	11	40	11	--	--	12.5	7.69
California:											
San Francisco(d)	7.7b	3.6	.30	39	---	---	12	--	14	14	6.36
Los Angeles	Only grade A milk reported for this market.										
(1)SanDiego(d)	8.6b	4.0	.72	--	--	f	--	f	--	--	--
Colorado:											
Denver	5.2-6.0b	h	.80	35	--	35	11	10	11	13	7.0-7.8
Pueblo	8.7b	3.5	1.20	42.5	--	---	--	--	12	14	5.3
Colo.Springs	7.7b	3.0	.36	37.5	--	f	11.5	--	--	12.5	4.43
Connecticut:											
Bridgeport	7.3b	3.0	.40	42	13	f	13	f	15	15	7.3
New Haven(d)	8.7-9.5b	g	g	--	--	---	12-14	--	14-16	14-16	5.3-5.5
Hartford	8.7b	g	g	46	--	---	13	--	--	15	6.3
Delaware:											
Wilmington	7.6b	g	g	40	13	---	--	--	13	--	--
Dist.of Col.											
Washington	9.4b	3.5	.46	--	14	---	14	14	14	14	4.6
Florida:	Correction- March retail prices for Jacksonville same as reported below:										
Jacksonville(c)	11.2b	4.2	.50	50	--	50	15	15	16	18	7.54
Tampa (c)	c	---	--	60	15	55	15	15	18	20	c
Miami (c)	c	---	--	70	20	70	20	--	--	20	c
Georgia:											
Atlanta	11.2b	g	g	60-80	--	---	20	--	--	20	8.8
Savannah	17.5-20b	g	g	80	20	80	20	f	22	25	5.0-7.5
Augusta (c)	6.8b	-	-	--	13	---	--	--	15	18	11.2
Idaho:											
Wallace	8.7b	g	g	40	--	---	15	--	15	15	6.3
Illinois:	6.02a										6.93a
Chicago	6.6b	3.5	.40	40	--	---	12	f	13	13	5.25
Peoria	6.4-6.7b	3.5	.60	28-30	--	30	11	--	--	12.5	5.8-6.1
Rockford	6.02b	3.5	.40	36	10	36	10	10	11	11	4.98
Indiana:	6.6a		.75a								5.4a
Indianapolis	7.1b	h	.95b	40	10	40	10	--	--	12	4.9b
Fort Wayne	7.5b	g	g	35	12	---	12	--	14	14	6.47
South Bend	6.4-6.7b	4.0	.40	36	--	---	10	--	--	12	5.7-6
Evansville(d)	6.6b	g	g	46	13	46	13	13	14	14	7.1
Iowa:											
Des Moines	7.3b	3.5	.50	42	12	42	12	14	13-14	14	5.7
Dubuque	6.0-6.4b	3.6	.50 @ .40	36	--	40	11	--	12	12	5.6-5.0
Sioux City	8.6b	4.0	.60	45	13	45	13	f	14	14	6.0

	Cts.	%	$	Cts	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.
Kansas:											
Kansas City	7.7b	4.0	.40	--	12	--	12	--	15	15	7.7
Topeka	6.8b	g	g	40	--	--	11.5	--	--	13	6.2
Kentucky:											
(2)Louisville	7.5b	3.8	.35	40	13	40	13	--	15	15	7.7
Lexington(c)	8.0-8.1b	g	g	--	--	50	--	--	18	18	(9.9-10
Louisiana:											
New Orleans	9.5b	3.5	.23	45	14	45	14	--	--	16	6.5
Maryland:											
Baltimore(d)	8.0b	g	g	52	14	52	14	--	13	14	6.0
Cumberland)c)	8.5-10b	g	g	42	--	--	13	--	--	15	5-6.5
Massachusetts:											
Boston(d)	9.24b	3.5	.40	50	13.7	--	--	f		18	8.76
Springfield	9.25b	g	g	48	--	--	13	--	12	14-16	(4.7-6.7
Michigan:	5.3a										3.7a
Detroit	7.3b	3.5	.40	46	14	46	14	14	15	15	7.7b
Grand Rapids	6.7b	g	g	38-40	11-12	f	11-12	f	12-13	13	6.3
Kalamazoo	--	g	g	40	--	--	--	--	--	13	--
Minnesota:											
(3)Minneapolis	7.4b	3.5	.50	40	11.5	--	11.5	--	12	13	5.6
(3)St. Paul	7.4b	3.5	.50	40	11	--	--	--	--	12	4.6
Duluth	7.5b	3.5	--	40	13	--	13	--	--	14	6.5
Winona	7.2b	g	g	38	10	40	10	10	11	11	3.8
Missouri:	5.5-6.4a										(6.6-7.5a
St. Louis	6.5-7.5b	3.5	.30	40	12-13	40	13	--	12	13	(5.5-6.5b
Kansas City	7.5-8.2b	--	--	40	14	40	14			14-15	6.5-6.8
St. Joseph	7.74b	4.0	.90	45	12	--	12	--	14	15	8.16
Montana:											
Helena (c)	c										c
Butte	6.02b	h	.80	45	--	50	12.5	--	15	15	8.98
Nebraska:											
Lincoln	7.95b	g	g	44	11	--	--	--	--	13	5.05
Omaha	Only grade A milk reported for this market										
New Hampshire:											
Concord	8.0b	g	g	--	8		12	--	--	14	6.0
Manchester	8.7b	g	g	46	13	46	15	--	--	15	6.3
New Jersey:											
Newark	6.97b	3.0	.40	40-42	11	40	11	--	15	15	7.63
Trenton	7.9b	4.0	.40	40	11	--	12	--	13	13	5.5
Atlantic City	8.06b	--	--	--	14	--	--	--	--	16	7.94
Jersey City	7.49b	3.0	.40	40	--	44	--	--	--	15	7.11
Camden	8.0b	g	g	--	--	--	--	--	--	13	5.0
New York:											
(4)New York	7.49b	3.0	.40	33	--	38	14	15	--	15	7.11
Buffalo	6.23b	3.0	.40	36-38	--	--	11.5	f	--	13	6.37
Albany	7.2b	3.6	.40	--	--	f	14	f	15	15	7.88
Rochester	7.1b	g	g	42	11.5	--	--	--	--	13	5.9
Binghampton	7.24b	g	g	44	12	--	12	--	--	13	5.76
North Dakota:											
Jamestown	6.4b	g	g	35	--	--	--	--	10	12	5.6
Oklahoma:											
Oklahoma City	7.7b	h	.85	40	11	--	11	--	10-14	14-15	6.3-7.3
Ohio:		3.5	@.35								
Cincinnati	6.6-7.7b	4.0	.45	44-48	13	--	7	--	14	14	6.3-7.4
Cleveland(d)	7.0-7.5b	3.5	.50	38-39	10	39	10	f	13	13	5.5-6.0
Toledo	6.45b	g	g	38-40	--	38	11	11	13	13	6.35
Dayton	6.45b	4.0	.50	40	11	f	11	f	13	13	7.08
Columbus	8.17b	4.0	.50	38-40	12	--	12	--	--	14	6.36
Oregon:											
Eugene	6.9b	g	g	35	14	--	12	--	--	14	7.1
Portland	6.4b	3.8	.50	40	12	40	12	14-14.5	14.5	14.5	8.4
Pennsylvania:											
Philadelphia	8.0b	4.0	.40	42-44	12	42-44	12	13	13	13	5.4
Pittsburgh	6.4a 7.3-8.2b	3.5	.50	42-44	--	46	13.5	--	--	14	7.5a 5.8-6.7b
Harrisburg											
Scranton	6.6b	3.0	.40	--	12	--	12-13	13	13	13	5.0
Rhode Island:											
Providence	9.25b	3.5	.40	--	--	52	13.7	--	--	15.5	6.25
Newport	8.6-9b	g	g	--	12	--	12	--	14	14	5-5.4
South Dakota:											
Sioux Falls	8.06b	g	g	--	--	--	--	--	--	--	--
Tennessee:											
Memphis	7.7b	--	--	44	--	44	--	--	--	18	10.3
Nashville(d)	7.0b	h	.92@	50	16	50	16	--	18	18	11
Texas:											
San Antonio	8.6b	4	.40	45	15	--	15	--	17	17	8.8
El Paso	--	--	--	50-55	15	--	15-16	--	19	19-21	--
Galveston	8.1-10b	g	g	50-60	15	55	15	--	20	20	10-11.9

	Cts.	%	$	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.
Utah:											
Salt Lake City	7.2b	g	g	33-35	10-11	-	- 11	-	11	12.5	5.3
Virginia:											
Richmond	10.b	3.8	.30	52.	15	f	15	-	15	15.	5.18
Washington:											
Spokane	7.6-8.6	3.b	.50	42.5	-	-	13	12.	13	15.	7.1-7.5
Seattle	6.2-6.6b	3.5	.50	30.	-	-	-	-	-	-	-
West Va.											
Wheeling	8.06b	3.5	.50	48	14.	48.	14	-	-	16.	7.9
Clarksburg	8.9b	g	g	45	14.	-	14	-	15.5	15.5	6.6
Wisconsin:											
Milwaukee(e)	7.2b	g	g	38	11	-	11	-	12.	12.	4.8
Beloit	6.45b	3.5	.40	38-40	11	-	11	-	12.	12.	5.5
Green Bay	5.91b	3.6	.40	36-40	10.5-11	36-40	10.5-11	10-11	11-12	12	6.1
Vermont:											
Burlington	6.4b	g	g	-	-	44	11	-	13	14.	7.6

To facilitate the reading of prices listed above and on the reverse side of this sheet adjust the columns to the headings of the table at the top of page 2.

EXPLANATORY NOTES REGARDING PRICES QUOTED ABOVE:

* The prices per pound of butter fat quoted in the third column of this table refer to the allowances per hundredweight of milk made for variations in tests from the butter fat standard applying to the basic price for whole milk given in the first column. Where two figures are given for the same market, the upper figure represents the deduction made for milk testing less than the basic standard indicated and the lower figure represents the premium allowed for milk testing above that standard.

(a) Producers' prices for milk delivered to country stations. The cost to the dealers of milk delivered f.o.b. city varies according to differences in transportation costs from various shipping points.

(b) Prices are quoted to producers for milk delivered f.o.b. city, and therefore prices to producers vary in this market according to differences in transportation costs from various shipping stations to the city where milk is distributed.

Where both (a) and (b) prices are quoted for the same market the f.o.b. city price reported applies to direct shipment from farm to city or, since the transportation rates from various country shipping stations differ according to distance from city, it represents only the average cost of milk to some dealers.

(c) Practically all or the greater portion of the market milk supply of this city is reported to be furnished by local producers who distribute their own supply and therefore there is no well established basic wholesale price quotation in this market.

(d) The quantities of milk that dealers in this market have obligated themselves to accept at the given price may not exceed a definitely stipulated percentage of increase over a low production month of the year.

(e) The reported price does not apply to surplus quantities of milk that are converted into manufactured dairy products.

(f) Bulk milk is not permitted to be sold to this trade.

(g) A flat price is paid for all milk, no allowance being made for variations in butter fat content.

(h) In this market the prices to be paid to producers are quoted per point of butter fat in a gallon or a hundredweight of natural milk and therefore the price per quart or hundredweight of milk is obtained by multiplying the allowance per point or pound of butter fat by a number corresponding to the butter fat test. The price per quart as quoted in the first column of this table was obtained by multiplying the allowance per pound of butter fat given in the third column by 3.5 (unless a different test is given) and dividing by 46.5 (the approximate number of quarts in a cwt. of milk.

(i) At San Diego, the milk price is based on the butter fat content; milk testing 4% or below being paid for at the price of butter fat agreed upon by producers and dealers. The price paid for butter fat content above 4% is 14 cents above the San Francisco wholesale quotation of creamery butter of highest quality.

(2) In this market the price paid for the butter fat content in excess of the standard indicated in the second column of this table is based on some recognized wholesale butter market quotation.

(3) The prices of the milk producers marketing agency for milk delivered in Minneapolis and St. Paul are based on the price of cheese (style-twins) as shown by sales on the dairy board at Plymouth, Wisconsin. The agreement between the selling agency and dealers provides that the price per cwt. of 3.5 milk f.o.b. St. Paul or Minneapolis shall be the value of ten pounds of cheese at the Plymouth quotations plus 70 cents.

(4) The price received by producers in the New York milk district beginning April 1, 1919 will be based upon a monthly formula which averages the butter and cheese value of 100 lbs. milk as determined by average of past month wholesale market quotations, and adds or subtracts an amount aimed to correlate the prices to cost of production. The price of 4% milk is computed as follows:

$\frac{1}{2}$ of (4.64 x average wholesale price of butter, + value of skim milk) plus $\frac{1}{2}$ of (10.0 x average wholesale price of cheese, + value of whey), plus or minus an arbitrary amount to correlate the price received to the cost of production.

Charles J. Brand,
Chief of Bureau.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF MARKETS
Washington, D. C. May 21, 1919.

Summary Report of the Prevailing Prices of Fluid Milk, Cream and Certain Milk Products in Various Markets of the United States for May, 1919.
(This report is based on reports made to the Bureau of Markets by city health officials, milk dealers, and officers of milk producers' associations.

The following table presents a comparison of prices agreed to or offered by milk dealers for the common grade of raw milk delivered in bulk at local milk plants or at the farmers' country shipping points. The prices as stated are either quotations for 3.5 milk or quotations for milk of other tests reduced to that basis.

TABLE NO. I. -- Prices to be Paid Milk producers for Month of May, 1919.

Geographic Sections	May: No. of Local Markets reporting (a)	May: Range of Prices Reported (Per Cwt.)	May: Average of All Prices Reported (a) (Per Cwt.)	The number of reports received for the month of June is insufficient to justify using them as a basis for reporting prices in advance for that month.
New England	39	$3.06-$4.18	$3.42	
Middle Atlantic	97	$2.74-$3.72	$3.13	
E. North Central	116	$2.02-$3.05	$2.61	
W. North Central	71	$2.07-$3.75	$2.72	
South Atlantic	25	$3.13-$4.99	$3.91	
E. South Central	8	$2.28-$3.56	$2.87	
W. South Central	7	$2.78-$4.84	$4.02	
Mountain	15	$2.28-$3.82	$3.11	
Pacific	15	$2.62-$3.60	$3.23	

(a) This table includes the basic prices reported for widely separated or distant markets and also the different prices paid to farmers shipping from the various freight or transportation rate zones of different regional markets, such as Boston, New York and Philadelphia. The "Average of All Prices" is a simple average of all prices reported for the various zones and local city markets. However, the number of series of quotations in the vicinity of most of the larger cities is sufficiently large that this simple average is virtually a weighted average.

The following table shows the wholesale and retail prices reported for Special and Certified milk and Certified milk and certain other dairy products delivered at wholesale buyers' places of business or at the homes of retail consumers in thirty-four leading cities. Wholesale prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users. Quotations for wholesale milk and light cream have been reduced to a gallon basis. For heavy cream, the wholesale price is quoted per pound of butter fat.

TABLE NO. II. PRICES FOR DIFFERENT GRADES OF MILK AND DERIVATIVES.

Cities	Special Milk (Grade A): Wholesale (Cts. per Gal)	Special Milk (Grade A): Retail (Cts. per Qt.)	Certified: Retail (Cts. per Qt.)	Common Buttermilk: Wholesale (Cts. per Gal.)	Common Buttermilk: Retail (Cts. per Qt.)	Special Buttermilk: Wholesale (Cts. per Gal.)	Special Buttermilk: Retail (Cts. per Qt.)	Cottage Cheese: Wholesale (Cts. per Lb.)	Cottage Cheese: Retail (Cts. per Lb.)	Light Cream 18-20%: Wholesale ($ per Gal.)	Light Cream 18-20%: Retail (Cts. per ½ Pt.)	Heavy Cream: Wholesale ($ per Lb. B. F.)
Boston	--	18	24	23	10	--	10	--	--	1.23	14	.83
Springfield	--	--	20	--	8	--	--	--	--	---	--	--
Hartford	--	17	--	28	8	--	--	12	15	1.60	18	.80
New York	--	17	23	32	--	--	11	--	10	1.60	--	--
Buffalo	--	15	25	22	8	--	--	--	14	1.45	19	--
Philadelphia	56	15	26	32	8	44	12	7	7	1.44	16	.84
Pittsburg	--	--	--	30	9	--	--	7	11	1.60	15	.92
Newark	--	17	--	32	10	--	--	8	--	1.50	19	.84
Cincinnati	--	--	--	28	10	--	--	11	15	1.44	14	.84
Chicago	--	19	25	30	10	--	8	18	18	1.70	15	1.00
Milwaukee	--	14	25	20	7	--	--	10	16	1.40	13	1.75
Detroit	--	18	20	24	10	--	10	9	15	1.55	15	.93
Indianapolis	--	15	--	24	7	--	--	--	--	1.35	12	--
Sioux Falls	--	--	--	10	5	--	--	10	15	1.85	13	--
Minneapolis	--	--	20	12	5	--	12	10	12	1.60	14	.80
Lincoln	--	16	20	--	9	--	--	--	14	--	14	--
St. Louis	60	16	21	--	9	--	10	11	14	1.10	16	--
DesMoines	--	16	--	32	10	--	15	--	20	1.50	15	.78
WashingtonD.C.	--	16	--	36	10-12	--	6	--	--	1.60	15	1.00
Richmond	64	16	--	32	8	--	--	10	15	1.50	15	--
Jacksonville	88	22	--	30	8	--	--	30	30	1.75	18	1.20
Baltimore	--	18	--	48	14	--	--	--	--	1.70	20	.96
Louisville	--	--	--	24	8	--	15	--	12.5	1.20	15	.96
Birmingham	--	--	25	--	10	--	10	--	--	--	15	--
Memphis	--	--	25	--	10	--	10	--	--	--	15	--
New Orleans	50	18	20	40	14	--	--	--	--	1.30	14	.84
San Antonio	--	--	--	32	10	--	--	15	20	1.75	15	1.20
El Paso	55	21	30	30	15	--	--	--	--	1.75	21	.98
Denver	--	--	--	24	8	--	--	--	--	1.20	13	--
Salt Lake City	--	15	--	15	7	--	--	12.5	15	1.50	15	--
Butte	--	--	--	30	10	--	--	--	--	1.60	15	1.00
Portland	--	--	20	15	5	40	14.5	7	10	1.60	16	--
Seattle	--	--	--	15	5	--	--	--	--	1.40	12	--
San Francisco	--	--	20	18	10	--	14	12	15	1.80	14	.30

The following table presents the prevailing prices of "standard grade" milk, paid by different classes of buyers in various markets of the United States. The prices quoted for different cities in this table apply to that grade of milk which is most generally sold within the particular city for which prices are quoted. This grade of milk may be either raw or pasteurized, and in most of the larger cities the term "standard grade milk" refers to pasteurized milk. The "dealers' spread", (the difference between the cost price of milk to the dealer and the selling price to family trade) which is reported for different markets in the last column of this table, is calculated on the basis of 3.5% milk, even though the reports made to this Bureau show that in a considerable number of cases the average butter fat test of milk as delivered to consumers is either higher or lower than 3.5. The "spreads" as reported in this table, therefore, show the actual gross margins only for those dealers who purchase and deliver milk which actually tests 3.5% butterfat. To obtain the actual spread for any dealer it would be necessary to subtract from the selling price the dealer's cost price of milk of the same butterfat test as that sold. If the test is known the actual cost price and "spread" can be obtained by making the proper "butter fat allowance" given in the third column of the table.

TABLE NO. III. WHOLESALE AND RETAIL PRICES FOR MAY, 1919.

Markets for Which Reports Were Obtained	Prices Paid for Raw Milk by Distributors to Producers			Prices Paid by Restaurants to Distributors		Prices Paid by Stores to Distributors		Cents (per quart) Paid by Family Trade to Stores & Distributors			"Dealers' Spread" on 3.5%** Milk Delivered to Retail Trade (Cents per Quart)
	Cents per Quart (a)Station Prices (b)City Prices	Butter Fat Basis of Given Prices	Allowance per Lb.* of Butterfat; per Cwt. of Milk	Cents per Gallon For Bulk Goods Delivered	Cents per Quart For Bottled Goods Delivered	Cents per Gallon For Bulk Goods Delivered	Cents per Quart For Bottled Goods Delivered	For Bulk Goods Not Delivered	For Bottled Goods Not Delivered	For Bottled Goods Delivered	
Alabama:	Cts.	%	$	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.
Mobile(c)	c	--	--	50	12@5 16.0	--	--	20	20	20	--
Birmingham(c)	undetermined			50	15	50	--	--	20	20	--
Arkansas:											
Little Rock(c)	c	No report received this month									
Arizona:											
Phoenix(c)	5.5b	4.0	.65	36-40	11	40	11	--	--	12.5	7.69
California:											
SanFrancisco(d)	7.7b	3.6	.30	39	12	39	12	--	14	14	6.3
Los Angeles	6.7b	h	.90	50	13	--	14	--	--	14	7.3
San Diego (i)	8.6b	4.0	.68j	45	--	45	--	--	16	16	8.1
Colorado:											
Denver	6.02b	h	.80	35	--	f	11	f	11	13	6.9
Pueblo	8.7b	3.5	--	40	--	40	--	--	13	14	5.3
Colo.Springs	7.5b	3.0	.30	37@5 40.0	12	--	12	10	12@0 12.5	12@5 13.0	4.5-5.0
Connecticut:											
Bridgeport	7.5b	3.0	.40	42	13	f	13	f	15	15	7.1
New Haven(d)	8.7b	g	g	30-44	12-13	44	12-13	9-11	14	14-15	5.3-6.3
Hartford	8.7b	g	g	46	--	--	13	--	--	15	6.3
Delaware:											
Wilmington	7.5b	g	g	40	13	--	--	--	--	--	--
Dist.of Columbia											
Washington	7.9b	3.5	.46	42-46	11-13	f	12-14	--	13-14	14	6.1
Florida:											
Jacksonville	11.2b	4.2	.50	50	15	50	15	--	16	18	7.5
Tampa (c)	c	--	--	55	15	60	17	16	18	20	c
Miami (c)	c	--	--	60	15	70	20	--	--	20	c
Georgia:											
Atlanta	11.2b	g	g	60	--	--	--	--	--	--	--
Savannah	16.2b	g	g	--	17.5 20@3	--	17.5 20@0	f	20	20	3.8
Augusta (c)	6.7b	h	.90	--	13	--	13	--	15	--	--
Idaho:											
Wallace	8.7b	g	g	40	--	--	15	--	--	15	6.3
Illinois:											
Chicago	5.3a-6.4b	3.5	.40	40	13	--	12	f	12	13	7.7a-6.6b
Peoria	5.4b	3.5	.60	28	--	28	--	--	11	12.5	7.1
Rockford	5.4b	3.5	.40	32	9	32	9	10	10	10	4.6
Indiana:											
Indianapolis	6.02b	h	.80	38-40	10-11	38-40	10-11	13	13	12-13	5.9-6.9
Fort Wayne	5.9@7.0b	g	g	40	11	--	11	--	13	13	6.0-7.1
South Bend	6.4@6.6b	3.5	.40	36	10	--	10	--	--	12	5.4-5.6
Evansville(d)	undetermined	g	g	46	13	46	13	14	14	14	--
Iowa:											
Des Moines	7.3b	3.5	.50	42	12	42	12	--	13-14	14	6.7
Dubuque	5.3b	3.6	@40 @30	40	11	--	--	--	12	12	6.7
Sioux City	8.0b	4.0	.60	--	13	--	13	--	--	14	6.6

Kansas:	Cts.	%	$	Cts	Cts.	Cts.	Cts.	Cts	Cts.	Cts.	Cts.	Cts.
Kansas City	6.7b	4.0	.25	--	--	--	12	--	--	14	7.5	
Topeka	6.4b	g	g	30-40	9	f	9-12	--	--	13-15	6.6-8.6	
Kentucky:												
Louisville	6.4b	4.0	.35J	35	13	35	13	--	15	15	8.9	
Lexington (c)	7.7-8.b	g	g	50	14-15	50	--	--	--	16-18	8.3-10	
Louisiana:												
New Orleans	9.5b	3.5	.20	45-50	14-17	45	14	f	16	16	6.5	
Baton Rouge	9.5b	3.5	.23	--	--	--	--	--	--	--	--	
Maine:												
Portland	undetermined	3.5	--	44	11	--	11.5	--	14	14	--	
Maryland:												
Baltimore (d)	8.0b	g	g	50-52	13-14	--	14	--	14	14	6.0	
Cumberland (c)	7.5b	g	g	35	13	--	13	--	--	15	7.5	
Massachusetts:	Correction--April retail price for Boston 15.5 cents.											
Boston (d)	8.3b	3.5	.40	46-48	12.5	46-48	12.5	f	15.5	15.0 15.5	6.7-7.2	
Springfield	8.4b	g	g	48	13	f	13	f	10-12	15	6.6	
Fall River	9.0-9.5b	g	g	50	13	50	13	f	--	15	5.5-6.0	
Michigan:												
Detroit	6.98b	3.5	.40	44-46	14	46	14	--	15	15	8.02	
Grand Rapids	undetermined			38	11	f	11	f	--	13	--	
Kalamazoo	7.5b	g	g	40	11	--	11	13	13	13	5.5	
Minnesota:					10.5				10.5			
(1) Minneapolis	8.0b	3.5	.50	38	11.0	38	10.5	--	11.0	12	4.0	
(1) St. Paul	8.0b	3.5	.50	40	11	--	11	--	12	12	4.0	
Duluth	7.5b	3.5	.50	40	13	42	13	--	14	14	6.5	
Winona	7.2b	g	g	38	10	--	10	--	10	10	2.8	
Missouri:	4.8a										8.2a	
St. Louis	5.6b	3.5	.30	38	12	38	12	--	--	13	7.6b	
Kansas City	6.9-8.0b	4.0	.35	40	13	--	--	--	--	14	6.4-8.5	
St. Joseph	6.2b	g	g	40	12	--	12	--	14	15	8.8	
Montana:												
Butte	6.02b	h	.80	45	12	45	12	--	13-15	15	8.98	
Nebraska:												
Lincoln	7.6b	g	g	45	12	44	12.5 13.0	--	--	14	6.4	
Omaha	5.4b	3.5	.50	37.5	11.5	37.5	11.5	--	--	12.5	7.1	
New Hampshire:												
Manchester	7.2b	g	g	45	13	--	13	--	--	15	7.8	
New Jersey:												
Newark	7.5-8.0b	g	g	40-44	12	44	12	--	15	15	7.0-7.5	
Trenton	7.9b	4.0	.40	42	11	44	12	--	13	13	5.5	
Atlantic City	--	--	--	--	14	--	--	--	16	16	--	
Camden	8.0b	g	g	--	--	--	13	--	--	13	5.0	
New York:	6.58a										8.02a	
(2) New York	7.53b	3.0	.40	45	14	45	14	--	--	15	7.07b	
Buffalo	6.7b	3.0	.40	36	--	--	12.5	f	14	14	6.9	
Albany	7.2b	g	g	38-40	14	f	14	12-14	14-15	15	7.8	
Rochester	7.1-7.7b	g	g	--	12	--	--	--	--	11.0 13.5	3.9-5.8	
Utica	7.7b	g	g	36	12	--	12	--	14	14	6.3	
North Carolina:												
Ashville (d)	8.7b	g	g	45	12	--	12	--	--	15	6.3	
North Dakota:												
Fargo	7.0b	g	g	--	11	--	--	--	--	13	6.0	
Oklahoma:												
Muskogee	6.0b	g	g	40	11	40	12.5	--	15.5	17.5	11.5	
Ohio:		3.5	.35©									
Cincinnati	7.2-7.4b	4©0	.45	44-48	13	--	13	--	--	14	6.6-6.8	
Cleveland(d)	6.1a 7.1b	3.5	.50	39-40	11.5	39	11.5	f	13	13	6.9a 5.9b	
Toledo	6.2-6.4b	g	g	40	11.5	--	11	11	13	13	6.6-6.8	
Dayton	6.4b	4.0	.50	40	11	f	11	--	13	13	7.14	
Columbus	8.17b	4.0	.50	38	12	38	12	--	--	14	6.36	
Oregon:												
Eugene	6.9b	g	g	--	--	--	12	--	--	14	7.1	
Portland	6.4b	3.8	.50	40	12	40	12	14.5	14.5 13.5 14.5		7.4-8.4	
Pennsylvania:												
Philadelphia	8.0b	4.0	.40	42-44	12	42-44	12	13	13	13	5.4	
Pittsburg	6.4a 8.2b	3.5	.50	42-44	13.5	46	13.5	--	14	14	7.6a 5.8b	
Harrisburg	6.4b	4.0	.40	40	10	40	10	--	11	11	5.0	
Scranton	7.1-7.7b	3.0	.40	36-40	12	--	12	--	13	13	4.9-5.5	
Rhode Island:												
Providence	8.3b	3.5	.40	--	--	47.5	12.5	--	--	15.5	7.2	
Newport	7.5b	g	g	40	10	f	10	f	12	13	5.5	
South Dakota:												
Sioux Falls	8.06b	g	g	45	--	--	--	--	--	13	4.9	
Tennessee:												
Memphis	7.7b	g	g	30	16	--	--	--	--	18	10.3	
Nashville	7.0b	4.0h	.70	45	15	45	15	--	--	17	10.7	
Chattanooga	6.9b	--	--	50	14	--	14	--	--	18	11.1	
Texas:												
San Antonio(e)	7.5b	4.0	.70	40	14	--	14	--	15	16	9.2	
El Paso	--	--	--	50	13	--	13	--	17-18	19	--	
Galveston	7.5-10.b	g	g	60	15	60	15	15	20	20	10-12.5	
Ft. Worth	7.5b	h	1.00	50	15	50	15	18	18			

Utah:	Cts.	%	$	Cts	Cts:	Cts:	Cts:	Cts:	Cts:	Cts:	
Salt Lake City	7.0-7.5b	g:	g	33	10-11	35	11-11.5	--	12	12.5	5.0-5.
Virginia:											
Richmond	10.0b	g:	g	52	4-	f:	15	--	15	15	5.0
Roanoke	10.0b	g:	g	46	12	--	13	--	--	15	6.0
Washington:											
Spokane	6.5b	3.6	.50	42.5	--	--	13	12	13	14	7.6
Seattle	6.5b	--	--	30	--	--	9	--	10	12	5.5
West Virginia:											
Wheeling	7.5b	3.5	.50	45	13	45	13	--	15	15	7.5
Clarksburg	7.5b	g:	g	35	12.5	35	12.5	14	14	14	6.5
Wisconsin:											
(j)Milwaukee(e)	undetermined	g	g	38	11	--	11	--	12	12	--
Beloit	5.3b	3.5	.40	38	--	40	11	--	12	12	6.7
Green Bay	undetermined	3.5	.40	35-40	10.5	35	10.5	11	12	12	--
Vermont:											
Burlington	7.3b	g:	g	--	--	f:	10	f:	13	14	6.7

To facilitate the reading of prices listed above and on the reverse side of this sheet adjust the columns to the headings of the table at the top of Page 3.

EXPLANATORY NOTES REGARDING PRICES QUOTED ABOVE:

* The prices per pound of butter fat quoted in the third column of this table refer to the allowances per hundredweight of milk made for variations in tests from the butter fat standard applying to the basic price for whole milk given in the first column. Where two figures are given for the same market, the upper figure represents the deduction made for milk testing less than the basic standard indicated and the lower figure pepresents the premium allowed for milk testing above that standard.

(a) Producers' prices for milk delivered to country stations. The cost to the dealers of milk delivered f.o.b. city varies according to differences in transportation costs from various shipping points.

(b) Prices are quoted to producers for milk delivered f.o.b. city, and therefore prices to producers vary in this market according to differences in transportation costs from various shipping stations to the city where the milk is distributed.

Where both (a) and (b) prices are quoted for the same market the f.o.b. city price reported applies to direct shipment from farm to city, or, since the transportation rates from various country shipping stations differ according to distance from city, it represents only the average cost of milk to some dealers.

(c) Practically all or the greater portion of the market milk supply of this city is reported to be furnished by the local producers who distribute their own supply and therefore there is no well established basic wholesale price quotation in this market.

(d) The quantities of milk that dealers in this market have obligated themselves to accept at the given price may not exceed a definitely stipulated percentage of increase over a low production month of the year.

(e) The reported price does not apply to surplus quantities of milk that are converted into manufactured dairy products.

(f) Bulk milk is not permitted to be sold to this trade.

(g) A flat price is paid for all milk, No allowance being made for variations in butter fat content.

(h) In this market the prices to be paid to producers are quoted per point of butter fat in a gallon or a hundredweight of natural milk and therefore the price per quart or hundredweight of milk is obtained by multiplying the allowance per point or per pound butterfat by a number corresponding to the butterfat test. The price per quart as quoted in the first column of this table was obtained by multiplying the allowance per pound of butterfat given in the third column by 3.5 (unless a different test is given) and dividing by 46.5 (the approximate number of quarts in a cwt. of milk.)

(i) In this market, some milk price schedules are based on current wholesale market quotations for creamery butter. The price given in the first column of this table was obtained by multiplying the average butter quotations for the first two weeks of the current month by 3.5 (an assumed average butterfat test) and adding whatever allowance is made for the nonfat contents of whole milk. The allowances for value of skim milk in different markets varied from approximately $.50 to $1.00 per cwt.

(j) Inthis market the price paid for the butter fat content in excess of the standard indicated in the second column of this table, is based on some recognized wholesale butter market quotation.

(l) The prices of the milk producers' marketing agency for milk delivered in Minneapolis and St. Paul are based on the current months price of cheese (style-twins) as shown by sales on the dairy board at Plymouth, Wisc. The quotation given in the first column of this table was based on the value per cwt. of milk determined for the first two weeks of the current month as follows: $.304 x 10 (the assumed average yield of cheese per cwt. of milk) +$.70. (The differential between value of milk in country for cheese making and milk supplied for city distribution, as agreed upon by producers' marketing agencies and city milk dealers).

(2) The price received by producers in the New York milk district beginning April 1, 1919 will be based upon a monthly formula which averages the butter and cheese value of 100 lbs. milk as determined by average of past month wholesale market quotations, and adds or subtracts an amount aimed to correlate the prices to cost of production. The price of 4% milk is computed as follows: $\frac{1}{2}$ of ($.65 x 4.64 for butter +$1.00 for skim milk +$.322 x 10.6 for cheese + $.23 for whey) minus 15 cents to correlate price with theoretic schedule of seasonal costs of production.

(3) Milwaukee dealers have guaranteed to producers a minimum of $2.00 per 8 gallon can of milk. The price actually to be paid at the end of the month is to be determined on a basis of cheese quotations.

CHARLES J. BRAND, Chief of Bureau.

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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF MARKETS
Washington, D. C.

June 21, 1919.

PREVAILING PRICES OF FLUID MILK, CREAM AND CERTAIN MILK PRODUCTS FOR JUNE, 1919.
(This report is based on reports made to the Bureau of Markets by city health officials, milk dealers, and officers of milk producers' associations.)

The following table presents a comparison of prices agreed to or offered by milk dealers for both common and special grades of raw milk delivered in bulk at local milk plants or at the farmers' country shipping points. The prices as stated are either quotations for 3.5% milk or quotations for milk of other tests reduced to that basis.

TABLE NO. 1. -- Prices per Cwt. to be Paid Milk Producers for June, 1919.

Geographic Sections	For Standard or Grade B Milk			For Special or Grade A Milk		
	No. of Local Markets	Range of Prices Reported	Average of All Prices Reported (a)	No. of Local Markets	Range of Prices Reported	Average of All Prices Reported (a)
United States	450	$2.05-$4.64	$3.00	97	$2.88-$7.08	$3.55
New England	40	$2.86-$3.95	$3.41	6	$3.31-$5.58	$4.06
Middle Atlantic	115	$2.72-$3.72	$3.01	65	$3.13-$3.55	$3.35
E. North Central	136	$2.05-$3.29	$2.66	4	$3.40-$4.80	$4.38
W. North Central	73	$2.17-$3.58	$2.89	6	$2.83-$3.54	$3.05
South Atlantic	33	$3.02-$4.64	$3.44	10	$3.02-$7.08	$4.19
E. South Central	5	$2.37-$3.41	$2.98	--	-- --	--
W. South Central	17	$3.07-$4.40	$4.02	--	-- --	--
Mountain	15	$2.45-$3.70	$3.05	1	$3.72-$3.72	$3.72
Pacific	15	$2.55-$4.15	$3.18	5	$3.15-$4.55	$4.19

(a) This table includes the basic prices reported for widely separated or distant markets and also the different prices paid to farmers shipping from the various freight or transportation rate zones of different regional markets, such as Boston, New York and Philadelphia. The "Average of All Prices" is a simple average of all prices reported for the various zones and local city markets. However, the number of series of quotations in the vicinity of most of the larger cities is sufficiently large that this simple average is virtually a weighted average.

The following table shows the wholesale and retail prices reported for Special and Certified milk and certain other dairy products delivered at wholesale buyers' places of business or at the homes of retail consumers in thirty-four leading cities. Wholesale prices are reported on the basis of bulk goods sold to and delivered at establishments of large scale consumers or users. Quotations for wholesale milk and light cream have been reduced to a gallon basis. For heavy cream, the wholesale price is quoted per pound of butterfat.

TABLE NO. 2. Dealers' Selling Prices for Different Grades of Milk and Derivatives, June

Cities	Special Milk (Grade A)		Certified Milk	Common Buttermilk		Special Buttermilk		Cottage Cheese		Light Cream 18-20%		Heavy Cream
	Wholesale Cts. per Gal.	Retail Cts. per Qt.	Retail Cts. per Qt.	Wholesale Cts. per Gal.	Retail Cts. per Qt.	Wholesale Cts. per Gal.	Retail Cts. per Qt.	Wholesale Cts. per Lb.	Retail Cts. per Lb.	Wholesale $ per Gal.	Retail Cts. per ½ Pt	Wholesale $ per Lb. B. F.
Boston	--	18	24	26-28	8	--	10	.05	30	1.30	--	.81
Springfield	--	--	20	--	8	--	--	--	--	--	--	.96
Hartford.	--	--	--	28	8	--	--	.07	--	1.60	18	.80
New York	--	17	23	32	9	--	11	8	10	1.60	25	.96
Buffalo	14	15	25	22	8	--	--	12	14	1.45	19	--
Philadelphia	56	15	26	32	8	44	12	7	7	1.44	16	.84
Pittsburgh	--	--	22	25	9	--	--	11	15	1.40	14	.84
Newark	56	17	--	20	10	--	--	--	12	1.60	19	.75
Cincinnati	--	--	--	28	10	--	--	11	15	1.44	14	.96
Chicago	40	14	25	30	10	--	16	--	--	1.70	15	.95
Milwaukee	52	14	25	20	7	--	20	10	16	1.40	13	.86
Detroit	--	--	20	24	10	--	10	--	--	1.55	15	.90
Indianapolis	--	15	--	20	8	--	--	--	--	1.35	13	--
Sioux Falls	--	--	--	10	5	--	--	10	15	1.85	13	--
Minneapolis	--	--	20	12	5	48	12	10	12	1.60	14	.75
Lincoln	52	15	20	--	--	--	--	--	--	1.76	13	--
St. Louis	60	16	21	32	9	72	20	13	14	--	16	--
Des Moines	--	--	--	32	10	--	--	15	20	2.00	15	--
Washington D.C.	--	--	28	46-48	13-14	--	20	11	15	1.40	17½	--
Richmond	--	16	--	32	8	--	15	--	--	1.50	15	--
Jacksonville	--	22	--	30	8	--	--	30	30	2.40	18	1.20
Baltimore	--	18	--	48	14	--	--	--	--	1.90	--	.96-1.44
Louisville	--	--	--	25	8	--	15	--	12.5	1.20	15	.96
Birmingham	No report received this month											
Memphis	--	--	25	--	10	--	10	--	--	--	15	--
New Orleans	--	--	25	--	--	40	14	--	--	1.30	14	.80
San Antonio	--	--	--	32	10	--	--	15	20	1.35	15	1.12
El Paso	--	--	35	--	14	--	--	--	--	1.75	19	--
Colo. Springs	45	16	--	15	7	--	--	15	15	1.60	13	1.08
Salt Lake City	--	15	--	20	8	--	--	12.5	15	1.50	15	--
Butte	--	--	--	25	8	--	--	--	--	1.50	15	--
Portland	40	14.5	20	15	5	40	14.5	7	--	1.[illegible]	[illegible]	--
Seattle	--	--	--	15	5	--	--	12.5	--	1.50	13	--
San Francisco	--	--	20	18	8	--	14	12	15	1.70	14	.80

The following table presents the prevailing prices of "standard grade" milk, paid by different classes of buyers in various markets of the United States. The prices quoted for different cities in this table apply to that grade of milk which is most generally sold within the particular city for which prices are quoted. This grade of milk may be either raw or pasteurized, and in most of the larger cities the term "standard grade milk" refers to pasteurized milk. The "dealers' spread," (the difference between the cost price of milk to the dealer and the selling price to family trade) which is reported for different markets in the last column of this table, is calculated on the basis of 3.5% milk, even though the reports made to this Bureau show that in a considerable number of cases the average butterfat test of milk as delivered to consumers is either higher or lower than 3.5. The "spreads" as reported in this table, therefore, show the actual gross margins only for those dealers who purchase and deliver milk which actually tests 3.5% butterfat. In case of milk testing higher than 3.5, the dealers' spread is actually less than the amount shown in this table, and in case of lower testing milk the actual spread, of course, amounts to more. If the test is known the actual cost price and "spread" can be obtained by making the proper "butterfat allowance" given in the third column of the table.

TABLE NO. 3. Dealers Buying and Selling Prices for Standard Grade B Milk for June 1919.

Markets for Which Reports Were Obtained	Prices Paid for Raw Milk by Distributors to Producers			Prices Paid by Restaurants to Distributors		Prices Paid by Stores to Distributors		Cents (per quart) Paid by Family Trade to Stores & Distributors			"Dealers' Spread" on 3.5%* Milk Delivered to Retail Trade (Cents per Quart
	(a) Station Prices (b) City Prices Cents per Quart	Butterfat Basis of Given Prices	Allowance per Lb.* of Butterfat; per Cwt. of Milk	Cents per Gallon For Bulk Goods Delivered	Cents per Quart For Bottled Goods Delivered	Cents per Gallon For Bulk Goods Delivered	Cents per Quart For Bottled Goods Delivered	For Bulk Goods Not Delivered	For Bulk Goods Delivered	For Bottled Goods Not Delivered	For Bottled Goods Delivered
Alabama:	Cts.	%	$	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.
Mobile (c)	c	--	--	50-65	12.5	--	--	20	20	20	--
Birmingham(c)	No report received this month										
Arkansas:											
Little Rock(c)	8.0b	--	--	--	--	--	--	--	--	--	--
Arizona:											
Phoenix (c)	5.5b	4.0	.65	36-40	11	40	11	--	--	12.5	7.69
California: (d)											
San Francisco	7.7b	3.6	.30	39	12	39	12	--	14	14	6.3
Los Angeles	7.9b	h	1.00	50	13	--	13	--	--	14	6.1
San Diego (d)	9.4	4.0h	1.15j	44.3	13.6	--	13.6	13.6	16	16	7.83
Colorado:											
Denver:	6.0b	h	.80	35	--	f	11	f	11	13	7.0
Pueblo	7.74b	3.5	1.20	40	12	37.5	12	11	--	13	5.26
Colo.Springs	7.5b	3.0	.34	37.5-38	12	--	12	10	12	12.5-13	4.62-5.12
Connecticut:											
Bridgeport	7.18b	3.0	.40	40	13	f	13	f	15	15	7.42
New Haven(d)	8.38b	g	g	44	13	44	13	--	15	15	6.72
Hartford (l)	8.75b	g	g	46	--	--	13	--	--	15	6.25
Delaware:											
Wilmington	7.5b	g	g	40	--	--	--	--	--	13	5.5
Dist.of Col.:											
Washington	7.5-8.25b	3.5	.464	46-48	12.5	f	11.5-13	f	13	14	5.75-6.0
Florida:											
Jacksonville	11.2b	4.2	.50	50	15	50	15	--	16	18	7.5
Tampa (c)	c	--	--	55	15	55	15	--	18	20	--
Miami (c)	c	--	--	70	20	--	25	--	--	25	--
Georgia:											
Atlanta	11.2b	g	g	64	16	--	--	--	--	--	--
Savannah	No report received this month										
Augusta (c)	6.7b	h	.90	--	13	--	13	--	15	18	11.3
Idaho:											
Wallace	8.7b	g	g	40	--	--	15	--	--	15	6.3
Illinois:											
Chicago	5.37a) 6.25b)	3.5	.40	40	14	f	14	f	14	14	7.75b
Peoria	5.65b	3.5	.60	28	--	28	--	--	10	12.5	6.85
Rockford	No report received this month										
Indiana:											
Indianapolis	4.9a 5.3-6.0b	hh	65i .70-.80	38-40	11-11.5	38-40	11-11.5	13	13	13	7.0-7.7
Fort Wayne	6.0b	h	i	35	--	--	11	11	13	13	7.0
South Bend	6.4-6.9b	3.5	.40	36	10	36	10	--	12	12	5.1-5.6
Evansville	7.0b	4.0h	.82j	46	13	46	14	14	14	14	7.0
Iowa:											
Des Moines	7.31b	3.5	.50	42	12	42	12	--	13	14	6.69
Dubuque	5.37b	3.6	.30-.40	36-40	11	36-40	11	--	12	12	6.63
Sioux City	7.74b	4.0	.60	40	13	40	13	--	--	14	6.66

	Cts.	%	$	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.
Kansas:											
Kansas City	No report received this month										
Omaha (e)	5.6-5.8a			.40	9-11.5	f	9-11	f	--	11-14	5.3-7
Kentucky:											
Louisville	5.71b	4.0	j	35	13	35	13	--	--	15	9.67
Lexington(c)	7.7-8.0b	3.5	g	45	12.5	--	--	--	16	16-18	8.3-1
Louisiana:											
New Orleans	9.5b	3.5	.23	45-50	14-17	f	14	f	--	16	6.5
Baton Rouge	8.6b	3.5	.23	--	--	--	--	--	--	--	--
Lisbon	--	--	--	42	11.5	42	11.5	--	--	13	--
Maryland:											
Baltimore (d)	7.5b	g	g	52	13-14	--	14	--	14	14	6.5
Cumberland(c)	7.5b	g	g	34-40	--	--	13	--	--	15	7.5
Massachusetts:											
Boston (e)	8.79b	3.5	.40	45	12.5	f	12.5	f	--	15	6.2
Springfield	7.87b	3.5	g	48	13	f	13	f	11	15	7.1
Dorchester	7.8b	3.5	.40	46	12.5	46	12.5	--	--	15	7.2
Michigan:											
Detroit (e)	6.66b	3.5	.40	44	14	--	14	--	15	15	8.34
Grand Rapids	6.7b	3.5	.30	38	11	f	11	f	--	13	6.3
Kalamazoo	7.5b	g	g	40	11	40	11	10	13	13	5.5
Minnesota:											
(2)Minneapolis(e)	8.17b	3.5	.50	38	10.5	38	10.5	--	11	12	3.83
(2)St.Paul (e)	8.17b	3.5	.50	40	11	--	11	--	12	12	3.83
Duluth	6.45b	3.5	.50	38	12	40	14	--	--	--	--
Winona	7.5b	g	g	40	10	40	11	11	11	11	3.9
Missouri:											
St. Louis	(5.3a) (6.0b)	3.5	.30	--	--	--	12	--	--	13	7.0
Kansas City	6.0-7.4b	4.0	05-33	40	12-13	40	12-13	--	14-15	14-15	7.7-8.3
St. Joseph	6.4b	3.5	.85	40	11	f	11	f	13	15	8.6
Montana:											
Butte	7.2b	h	g	40-45	12.5	40-45	12.5	--	15	15	7.8
Nebraska:											
Lincoln	6.45b	4.0	.75	38	11.5	38	11.5	--	13	13	6.9
Omaha	No report received this month										
New Hampshire:											
Concord	--	--	--	34	--	34	12	--	--	14	--
New Jersey:											
Newark	7.7b	3.6	.40	40-44	12	40-44	12	--	15	15	7.7
Trenton	7.9b	4.0	.40	42	11	44	12	--	13	13	5.1
Atlantic City	--	--	--	--	14	--	--	--	16	16	--
Camden	8.0b	g	g	--	--	--	13	--	--	13	5.0
New York:											
(3) New York	7.17b	3.0	.40	41	15	44	15	--	--	15	7.8
Buffalo	5.9b	3.0	.40	36	--	--	12.5	--	--	14	8.5
Albany	7.4b	g	g	38-40	--	f	14	--	14	15	7.6
Rochester	7.1-7.3b	g	g	42-44	12	42	12	--	13.5	13.5	6.2-6.4
Syracuse	6.8b	g	g	36	--	--	--	--	--	12-15	5.2-8.2
North Carolina:											
Ashville (d)	8.1b	g	g	45	--	--	12	--	--	15	6.9
North Dakota:											
Fargo	6.2b	g	g	35	11	--	--	--	13	13	6.8
Oklahoma:											
Oklahoma City	5.6b	h	.75	35	--	f	10	f	--	--	--
Ohio:											
Cleveland (e)	(6.12a) (6.7-7.1b)	3.5	.50	38-39	(11.5) (12.5)	38-39	11.5	38-39	13-14	13-14	5.9-7.3
Cincinnati (d)	6.7-6.9b	3.5-4	.35-.45	44	13	--	13	--	14	14	7.1-7.3
Toledo	5.7b	g	g	40	11.5	--	13	--	13	13	7.3
Dayton	6.45b	4.0	.50	38-40	11	f	11	f	13	13	7.1
Columbus	7.1b	4.0h	i	38	14	--	14	--	15	15	7.9
Oregon:											
Eugene	6.4b	g	g	--	--	--	12	--	--	14	7.6
Portland	6.4b	3.8	.50	40	12	40	12	--	--	14-14.5	7.9-8.4
Pennsylvania:	6.45a										
Pittsburgh	6.87b	3.5	.50	37	12.5	--	12.5	--	13	13	6.13
Philadelphia	8.0b	4.0	.40	42-44	12	42-44	12	13	13	13	5.4
Harrisburg	No report received this month										
Scranton	6.9b	3.0	.40	36-40	12	--	12	--	13	13	5.7
Rhode Island:											
Providence	7.87b	3.5	.40	--	12	--	12	--	--	15	7.13
Newport	7.5b	g	g	40	10	f	10	f	12	12	4.5
South Dakota:											
Sioux Falls	8.06b	g	g	45	13	--	13	--	--	13	4.94
Tennessee:											
Memphis	7.49b	g	g	30	16	--	--	--	--	18	10.4
Nashville	5.26b	h	.70	45	15	45	15	--	--	17	11.7
Chattanooga	7.0b	4.0	.58	50	14	--	--	--	--	18	11.0
Texas:											
San Antonio(e)	7.59b	4.0	.88	40	14	--	14	--	15	15	8.3
El Paso	9.89b	4.0	.40	50-55	12.5-13	--	13	--	17	19	9.5
Galveston	7.5-10.5b	g	g	60	15	60	15	15	20	20	9.5-12.5
Fort Worth	No report received this month										

Utah:	Cts.	%	$	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.
Salt Lake City	6.5-7.24	3.8	.50	33	10-11	--	11	--	12	12.5	5.59-6.3
Virginia:											
Richmond	10.0b	g	g	52	15	52	15	15	15	15	5.0
Roanoke	8.7b	g	g	48	12	52	13	--	--	15	6.3
Washington:											
Spokane	6.5b	3.6	.50	38	--	38	--	--	13	14	7.6
Seattle	(6.02-6.23b	3.5	.50	30-35	9-10	30-35	9-10	9-12	9-12	9-12	2.98-5.7
West Virginia:											
Wheeling	7.5b	g	g	45	13	45	13	--	15	15	7.5
Clarksburg	7.49b	g	g	35	12.5	35	12.5	14	14	14	6.5
Wisconsin:											
(4)Milwaukee(e)	6.78b	g	g	38	11	38	11	--	12	12	5.22
Beloit	5.3b	3.5	.40	38	11		11	--	12	12	6.7
Green Bay	5.9b	3.6	.40	35-40	10.5	35-40	10.5	11	12	12	6.18
Vermont:											
Burlington	6.4b	g	g	44	11	40	10	--	13	13	6.6

To facilitate the reading of prices listed below and on the reverse side of this sheet adjust the columns to the headings of table 3 on Page 2.

EXPLANATORY NOTES REGARDING PRICES QUOTED ABOVE:

*The prices per pound of butter fat quoted in the third column of this table refer to the allowances per hundredweight of milk made for variations in tests from the butterfat standard applying to the basic price for whole milk given in the first column. Where two figures are given for the same market, the upper figure represents the deduction made for milk testing less than the basic standard indicated and the lower figure represents the premium allowed for milk testing above that standard. (a) Producers' prices for milk delivered to country stations. The cost to the dealers of milk delivered f.o.b. city varies according to differences in transportation costs from various shipping points.

(b) Prices are quoted to producers for milk delivered f.o.b. city, and therefore prices to producers vary in this market according to differences in transportation costs from various shipping stations to the city where the milk is distributed.

Where both (a) and (b) prices are quoted for the same market the f.o.b. city price reported applies to direct shipment from farm to city, or, since the transportation rates from various country shipping stations differ according to distance from city, it represents only the average cost of milk to some dealers.

(c) Practically all or the greater portion of the market milk supply of this city is reported to be furnished by the local producers who distribute their own supply and therefore there is no well established basic wholesale price quotation in this market.

(d) The quantities of milk that dealers in this market have obligated themselves to accept at the given price may not exceed a definitely stipulated percentage of increase over a low production month of the year.

(e) The reported price does not apply to surplus quantities of milk that are converted into manufactured dairy products.

(f) Bulk milk is not permitted to be sold to this trade.

(g) A flat price is paid for all milk, no allowance being made for variations in butterfat content.

(h) In this market the prices to be paid to producers are quoted per point of butterfat in a gallon or a hundredweight of natural milk and therefore the price per quart or hundredweight of milk is obtained by multiplying the allowance per point or per pound butterfat by a number corresponding to the butter fat test. The price per quart as quoted in the first column of this table was obtained by multiplying the allowance per pound of butterfat given in the third column by 3.5 (unless a different test is given) and dividing by 46.5 (the approximate number of quarts in a cwt. of milk.)

(i) In this market, some milk price schedules are based on current wholesale market quotations for creamery butter. The price given in the first column of this table was obtained by multiplying the average butter quotations for the first two weeks of the current month by 3.5 (an assumed average butterfat test) and adding whatever allowance is made for the nonfat contents of whole milk. The allowances for value of skim milk in different markets varies from approximately $.50 to $1.00 per cwt.

(j) In this market the price paid for the butterfat content in excess of the standard indicated in the second column of this table, is based on some recognized wholesale butter market quotation.

(k) This price does not apply to the entire supply, as a portion is bought according to the New York Regional prices.

(2) The prices of the milk producers' marketing agency for milk delivered in Minneapolis and St. Paul are based on the current month's price of cheese (style-twins) as shown by sales on the dairy board at Plymouth, Wis. The quotation given in the first column of this table was based on the value per cwt. of milk determined for the first two weeks of the current month as follows: $.304 x 10 (the assumed average yield of cheese per cwt. of milk) + $.70. (The differential between value of milk in country for cheese making and milk supplied for city distribution, as agreed upon by producers' marketing agencies and city milk dealers.)

(3) The price received by producers in the New York milk district beginning April 1, 1919, will be based upon a monthly formula which averages the butter and cheese value of 100 lbs. milk as determined by average of past month wholesale market quotations, and adds or subtracts an amount aimed to correlate the prices to cost of production The price of 4% milk is computed as follows: ½ of ($.65 x 4.64 for butter + $1.00 for skim milk + $.322 x 10.6 for cheese + $.23 for whey) minus 15 cents to correlate price with theoretic schedule of seasonal costs of production.

(4) The price given in the first column applies to that portion of the supply used for city distribution. Surplus milk will be paid for by dealers at a price based upon the Plymouth cheese market.